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=> file registry
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                        ENTRY    SESSION
FULL ESTIMATED COST                                      0.21       0.21

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DICTIONARY FILE UPDATES:   4 JAN 2006  HIGHEST RN 871209-00-6

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* the IDE default display format and the ED field has been added,    *
* effective March 20, 2005.  A new display format, IDERL, is now     *
* available and contains the CA role and document type information.  *
*                                                                    *
**********************************************************************

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for details.

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predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s gaactgctcggc/sqen
             0 GAACTGCTCGGC/SQEN
        191890 SQL=12
L1           0 GAACTGCTCGGC/SQEN
                   (GAACTGCTCGGC/SQEN AND SQL=12)

=> s gaactgctcggc/sqsn and SQL<375
SYSTEM LIMITS EXCEEDED - SEARCH ENDED
The search profile you entered was too complex or gave too many
answers.  Simplify or subdivide the query and try again.  If you have
exceeded the answer limit, enter DELETE HISTORY at an arrow prompt
(=>) to remove all previous answers sets and begin at L1.  Use the
SAVE command to store any important profiles or answer sets before
using DELETE HISTORY.

=> s gaactgctcggc/sqsn
L2        2596 GAACTGCTCGGC/SQSN

=> s l2 and SQL<375
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      21530848 SQL<375
L3          102 L2 AND SQL<375

=> file caplus; s l2 and PY<1990
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                               42.02      42.23

FILE 'CAPLUS' ENTERED AT 11:48:25 ON 06 JAN 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 6 Jan 2006  VOL 144 ISS 2
FILE LAST UPDATED: 4 Jan 2006  (20060104/ED)

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          903 L2
     13074835 PY<1990
L4          8 L2 AND PY<1990

=> d bib ab 1-8

L4   ANSWER 1 OF 8  CAPLUS  COPYRIGHT 2006 ACS on STN
Full Text
AN   1994:296653  CAPLUS
DN   120:296653
TI   A method for preparing a kit for the detection of antibodies to HCV
     (hepatitis C virus) in biological samples such as blood serum
IN   Houghton, Michael; Choo, Qui Lim; Kuo, George
PA   Chiron Corp., India
SO   Indian, 157 pp.
     CODEN: INXXAP
DT   Patent
LA   English
FAN.CNT 8
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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PI   IN 171237            A     19920822    IN 1990-CA801          19900917
     AU 8927967           A1    19890614    AU 1989-27967          19881118
     AU 624105            B2    19920604
     ZA 8808669           A     19890830    ZA 1988-8669           19881118
     BR 8807310           A     19900313    BR 1988-7310           19881118
     DD 287104            A5    19910214    DD 1988-321971         19881118
     IN 169067            A     19910831    IN 1988-CA960          19881118
     DD 298524            A5    19920227    DD 1988-344401         19881118
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CN 1074422	B	20011107		
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JP 09184844	A2	19970715	JP 1996-239921	19881118
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JP 10290697	A2	19981104	JP 1998-111632	19881118
JP 2000023683	A2	20000125	JP 1999-157193	19881118
RU 2162894	C2	20010210	RU 1988-4742221	19881118
FI 8903447	**A**	**19890717**	**FI 1989-3447**	**19890717**
FI 105652	B1	20000929		
NO 8902931	**A**	**19890913**	**NO 1989-2931**	**19890717**
NO 304990	B1	19990315		
DK 8903537	**A**	**19890718**	**DK 1989-3537**	**19890718**
DK 175975	B1	20051010		
KR 138776	B1	19980515	KR 1989-701343	19890718
IN 171238	A	19920822	IN 1990-CA802	19900917
IN 171239	A	19920822	IN 1990-CA805	19900917
IN 171240	A	19920822	IN 1990-CA808	19900917
WO 9115771	A1	19911017	WO 1991-US2225	19910329
W: AU, BB, BG, BR, CA, FI, GB, HU, JP, KP, KR, LK, MC, MG, MW, NO, PL, RO, SD, SU				
RW: BF, BJ, CF, CG, CM, GA, ML, MR, SN, TD, TG				
AU 9176510	A1	19911030	AU 1991-76510	19910329
AU 639560	B2	19930729		
GB 2257784	A1	19930120	GB 1992-20480	19910329
BR 9106309	A	19930420	BR 1991-6309	19910329
HU 62706	A2	19930528	HU 1992-3146	19910329
HU 217025	B	19991129		
JP 05508219	T2	19931118	JP 1991-507636	19910329
JP 2733138	B2	19980330		
RO 109916	B1	19950728	RO 1975-92012	19910329
PL 172133	B1	19970829	PL 1991-296329	19910329
RU 2130969	C1	19990527	RU 1991-5053084	19910329
EP 450931	A1	19911009	EP 1991-302910	19910403
EP 450931	B1	19960612		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
EP 693687	A1	19960124	EP 1995-114016	19910403
EP 693687	B1	19990728		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
AT 139343	E	19960615	AT 1991-302910	19910403
ES 2088465	T3	19960816	ES 1991-302910	19910403
AT 182684	E	19990815	AT 1995-114016	19910403
ES 2134388	T3	19991001	ES 1995-114016	19910403
US 5683864	A	19971104	US 1992-910760	19920707
FI 106317	B1	20010115	FI 1992-4349	19920928
NO 9203839	A	19921119	NO 1992-3839	19921001
NO 310241	B1	20010611		
US 5714596	A	19980203	US 1993-40564	19930331
LV 10306	B	19950620	LV 1993-442	19930531
LV 10344	B	19960220	LV 1993-4381	19930531
US 5679342	A	19971021	US 1993-97853	19930727
US 5350671	A	19940927	US 1993-103961	19930809
LT 3808	B	19960325	LT 1993-1747	19931230
HR 940493	B1	20001031	HR 1994-940493	19940907
US 5698390	A	19971216	US 1994-306472	19940915
US 6074816	A	20000613	US 1994-307273	19940916
US 5712087	A	19980127	US 1995-440519	19950512
US 6312889	B1	20011106	US 1995-440549	19950512

	US 5712088	A	19980127	US 1995-440769	19950515
	US 6096541	A	20000801	US 1995-441026	19950515
	US 6171782	B1	20010109	US 1995-442647	19950515
	US 6861212	B1	20050301	US 1995-441355	19950515
	US 5863719	A	19990126	US 1995-472821	19950607
	NO 9505101	A	19951215	NO 1995-5101	19951215
	NO 306511	B1	19991115		
	NO 9505102	A	19951215	NO 1995-5102	19951215
	NO 303879	B1	19980914		
	US 2003162167	A1	20030828	US 1996-686983	19960725
	JP 09173079	A2	19970708	JP 1996-241451	19960822
	JP 3171793	B2	20010604		
	FI 9801380	A	19980615	FI 1998-1380	19980615
	FI 106564	B1	20010228		
	GR 3031361	T3	20000131	GR 1999-402455	19990929
	DK 200501169	A5	20050819	DK 2005-1169	20050819
PRAI	US 1987-122714	A	19871118		
	IN 1988-CA960	A	19881118		
	US 1987-139886	A	19871230		
	US 1988-161072	A	19880226		
	US 1988-191263	A	19880506		
	US 1988-263584	A	19881026		
	US 1988-271450	A	19881114		
	CN 1988-107988	A	19881118		
	JP 1992-361785	A3	19881118		
	JP 1992-361787	A3	19881118		
	JP 1993-178446	A3	19881118		
	JP 1996-241451	A3	19881118		
	JP 1998-111631	A3	19881118		
	WO 1988-US4125	A	19881118		
	YU 1988-2138	A6	19881118		
	US 1989-325338	B2	19890317		
	US 1989-341334	B2	19890420		
	US 1989-353896	B2	19890421		
	US 1989-355002	B2	19890518		
	US 1989-355961	B2	19890518		
	NO 1989-2931	A	19890717		
	DK 1989-3537	A	19890718		
	US 1989-398667	B2	19890825		
	US 1989-456637	B2	19891221		
	US 1990-504352	A	19900404		
	US 1990-505435	B2	19900404		
	US 1990-566209	B1	19900808		
	US 1990-611965	B2	19901108		
	WO 1991-US2225	A	19910329		
	EP 1991-302910	A3	19910403		
	US 1992-910760	A3	19920707		
	US 1993-40564	A3	19930331		
	US 1993-103961	A1	19930809		
	US 1994-306472	A3	19940915		
	US 1994-307273	A3	19940916		

AB The title kit contains a (recombinant) polypeptide contg. an HCV epitope, a pH buffer, a detection label, assay instructions, and packaging. Also provided are polynucleotide probes for detection of HCV nucleic acids, a monoclonal antibody to an HCV epitope for detection of HCV antigens by immunoassay, and vaccines comprising immunogenic peptides contg. an HCV epitope for treatment of HCV infections. The sequence of HCV cDNA suggests that HCV is or resembles a flavivirus. Thus, HCV was isolated from plasma of a chimpanzee with chronic non-A, non-B hepatitis and used to generate a λ-gt11 cDNA library which was screened for prodn. of epitopes which bound to serum from patients with non-A, non-B hepatitis. The cDNAs of several clones were sequenced and used to derive a composite

sequence; the corresponding polypeptides were expressed in Escherichia coli as fusion products with superoxide dismutase.

L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
Full Text
AN 1990:173651 CAPLUS
DN 112:173651
TI Manufacture of recombinant proteins by Escherichia coli using chimeras of the kdsB gene
IN Bolling, Timothy Jon; Mandecki, Wlodzimierz
PA Abbott Laboratories, USA
SO Eur. Pat. Appl., 29 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	**EP 331961**	**A2**	**19890913**	**EP 1989-102928**	**19890220**
	EP 331961	A3	19900704		
	EP 331961	B1	19951220		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	US 5124255	A	19920623	US 1988-276263	19881123
	AT 131876	E	19960115	AT 1989-102928	19890220
	ES 2083957	T3	19960501	ES 1989-102928	19890220
	AU 8931206	**A1**	**19890914**	**AU 1989-31206**	**19890310**
	AU 625554	B2	19920716		
	JP 02035089	A2	19900205	JP 1989-59466	19890310
	JP 08013273	B4	19960214		
	CA 1335358	A1	19950425	CA 1989-593373	19890310
PRAI	US 1988-167067	A	19880311		
	US 1988-276263	A	19881123		

AB Chimeric genes contg. sequences of the Escherichia coli kdsB gene, encoding CTP:CMP-3-deoxy-manno-octulosonate cytidylyl transferase (CKS, CMP-KDO synthetase, E.C. 2.7.7.38), under the control of a modified lac promoter are used to prep. fusion proteins. This system produces the fusion protein as up to 50% of total cellular protein. A chimeric gene for CKS and HIV p41 (env) protein was constructed using the sequence for the antigenic region of amino acids 548-646 and an appropriate linker. Transformants carrying the plasmids were grown in the presence of iso-Pr thiogalactoside for 3 h. Cell lysates were fractionated by SDS-PAGE and a band corresponding to the fusion protein was visible on Coomassie-stained gels. Western blotting using a goat anti-CKS antibody detected the protein at antibody dilns. of 1:1500.

L4 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
Full Text
AN 1990:152619 CAPLUS
DN 112:152619
TI Cloning and sequencing of the gltX gene, encoding the glutamyl-tRNA synthetase of Rhizobium meliloti A2
AU Laberge, Serge; Gagnon, Yves; Bordeleau, Lucien M.; Lapointe, Jacques
CS Fac. Sci. Genie, Univ. Laval, Quebec, QC, G1K 7P4, Can.
SO Journal of Bacteriology (**1989**), 171(7), 3926-32
CODEN: JOBAAY; ISSN: 0021-9193
DT Journal
LA English
AB The gltX gene, coding for glutamyl-tRNA synthetase of R. meliloti A2, was cloned by using as probe a synthetic oligonucleotide corresponding to the amino acid sequence of a segment of the glutamyl-tRNA synthetase. The codons chosen for this 42-mer were those most frequently used in a set of R. meliloti genes. DNA sequence anal. revealed an open reading frame of

484 codons, encoding a polypeptide of Mr 54,166 contg. the amino acid sequences of an NH2-terminal and various internal fragments of the enzyme. Compared with the amino acid sequence of the glutamyl-tRNA synthetase of Escherichia coli, the N-terminal third of the R. meliloti enzyme was strongly conserved (52% identity); the second shift was moderately conserved (38% identity) and included a few highly conserved segments, whereas no significant similarity was found in the C-terminal third. These results suggest that the C-terminal part of the protein is probably not involved in the recognition of substrates, a feature shared with other aminoacyl-tRNA synthetases.

L4 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
Full Text
AN 1990:31260 CAPLUS
DN 112:31260
TI Sequence determination and characterization of the replicator region in the tumor-inducing plasmid pTiB6S3
AU Tabata, Satoshi; Hooykaas, Paul J. J.; Oka, Atsuhiro
CS Fac. Sci., Nagoya Univ., Aichi, 464, Japan
SO Journal of Bacteriology (**1989**), 171(3), 1665-72
CODEN: JOBAAY; ISSN: 0021-9193
DT Journal
LA English
AB The replicator region of the 195-kilobase-pair (kb) tumor-inducing plasmid pTiB6S3 was previously identified by isolation of a 6.8-kb miniplasmid. This miniplasmid was joined to ColE1-based vectors and subjected to mutagenesis. The resulting mutant plasmids were examd. for their ability to replicate autonomously in Agrobacterium tumefaciens. A 4.2-kb region was sufficient for displaying replication characteristics similar to those of the parental pTiB6S3. Nucleotide sequence anal. of this 4.2-kb region revealed the presence of 3 possible reading frames in the same direction (repA, repB, and repC). Proteins coded for by these frames were identified by in vitro synthesis in a coupled transcription-translation system. The replicating ability became attenuated by repA and repB mutations but was completely abolished by repC mutations. The size, arrangement, and mutational effects of the 3 rep genes were quite similar to those of the rep genes that were previously identified in the hairy root-inducing plasmid pRiA4b. However, defects caused by rep mutations in one plasmid were unable to be complemented by corresponding functions in the other plasmid.

L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
Full Text
AN 1989:451313 CAPLUS
DN 111:51313
TI Nucleotide sequence and characterization of toxR: a gene involved in exotoxin A regulation of Pseudomonas aeruginosa [Erratum to document cited in CA107(1):1681n]
AU Wozniak, D. J.; Cram, D. C.; Daniels, C. J.; Galloway, D. R.
CS Dep. Microbiol., Ohio State Univ., Columbus, OH, 43210, USA
SO Nucleic Acids Research (**1989**), 17(8), 3334
CODEN: NARHAD; ISSN: 0305-1048
DT Journal
LA English
AB An error in the original sequence in Figure 5 has been cor. The reading frame now becomes 260 codons and could encode a protein of 28,825 daltons, not 225 codons and 24,626 daltons as reported in the original article. The error was reflected in the abstr.

L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
Full Text
AN 1988:605812 CAPLUS

DN 109:205812
TI Characterization of a gene that regulates toxin A synthesis in Pseudomonas aeruginosa
AU Hindahl, Michael S.; Frank, Dara W.; Hamood, Abdul; Iglewski, Barbara H.
CS Med. Cent., Univ. Rochester, Rochester, NY, 14642, USA
SO Nucleic Acids Research (1988), 16(12), 5699
CODEN: NARHAD; ISSN: 0305-1048
DT Journal
LA English
AB The pos. regulatory gene regA of P. aeruginosa, which increases exotoxin A prodn., was subcloned from plasmid pFHK10 where it resided on a 3-kilobase XhoI fragment from PA103 chromosomal DNA. Comparison of the regA gene sequence and previously published sequence data for the same gene (denoted toxR) revealed several notable nucleotide base differences and different start and stop sites for the coding region, resulting in a protein with a predicted mol. wt. of 27,755.

L4 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
Full Text
AN 1987:401681 CAPLUS
DN 107:1681
TI Nucleotide sequence and characterization of toxR: a gene involved in exotoxin A regulation of Pseudomonas aeruginosa
AU Wozniak, D. J.; Cram, D. C.; Daniels, C. J.; Galloway, D. R.
CS Dep. Microbiol., Ohio State Univ., Columbus, OH, 43210, USA
SO Nucleic Acids Research (1987), 15(5), 2123-35
CODEN: NARHAD; ISSN: 0305-1048
DT Journal
LA English
AB The P. aeruginosa gene toxR, regulates the expression of the exotoxin A (ETA) structural gene toxA. The toxR gene was transferred to a high-copy-no. plasmid (pGW28). Nucleotide sequence anal. of pGW28 revealed a 675-bp open reading frame (225 codons) which could encode for a protein of 24,626 daltons. Using S1 nuclease mapping, the toxR RNA transcript was shown to originate 20 bp upstream of the presumptive translation initiation codon. Expts. using a toxA-specific probe revealed that the toxR gene product regulates the expression of ETA at the transcriptional level.

L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
Full Text
AN 1987:1203 CAPLUS
DN 106:1203
TI Transcription and processing signals in the 3-phosphoglycerate kinase (PGK) gene from Aspergillus nidulans
AU Clements, J. M.; Roberts, C. F.
CS Dep. Genet., Univ. Leicester, Leicester, LE1 7RH, UK
SO Gene (1986), 44(1), 97-105
CODEN: GENED6; ISSN: 0378-1119
DT Journal
LA English
AB The 3-phosphoglycerate kinase [9001-83-6] gene from A. nidulans contains 2 57-base-pair (bp) introns and codes for a 421-amino acid protein with considerable homol. to the Saccharomyces cerevisiae (68%) and mammalian (64%) proteins. Almost total conservation is found in Aspergillus of residues thought to be important to the structure and function of the yeast enzyme, and the introns fall between coding sequences for postulated structures in the N-domain. The strong codon preference found is more similar to that in other filamentous fungi than in yeast. The transcription start point (+1) was 32 bp upstream from the start codon, and the promoter region contains potential homologies for CAAT (-80 bp) and TATA (-30 bp) sequences and certain other features common to other

highly expressed genes in ascomycetes. There are 3 major termini 23, 83, and 115 bp beyond the stop codon, and 2 of these are preceded by the polyadenylation consensus sequence and contain potential secondary structure.

=> d bib ab hitseq hitstr 1-8

L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
Full Text
AN 1994:296653 CAPLUS
DN 120:296653
TI A method for preparing a kit for the detection of antibodies to HCV (hepatitis C virus) in biological samples such as blood serum
IN Houghton, Michael; Choo, Qui Lim; Kuo, George
PA Chiron Corp., India
SO Indian, 157 pp.
CODEN: INXXAP
DT Patent
LA English
FAN.CNT 8

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	IN 171237	A	19920822	IN 1990-CA801	19900917
	AU 8927967	**A1**	**19890614**	**AU 1989-27967**	**19881118**
	AU 624105	B2	19920604		
	ZA 8808669	**A**	**19890830**	**ZA 1988-8669**	**19881118**
	BR 8807310	A	19900313	BR 1988-7310	19881118
	DD 287104	A5	19910214	DD 1988-321971	19881118
	IN 169067	A	19910831	IN 1988-CA960	19881118
	DD 298524	A5	19920227	DD 1988-344401	19881118
	DD 298525	A5	19920227	DD 1988-344402	19881118
	DD 298526	A5	19920227	DD 1988-344403	19881118
	DD 298527	A5	19920227	DD 1988-344404	19881118
	CN 1073719	A	19930630	CN 1992-110257	19881118
	CN 1074422	B	20011107		
	JP 05081600	B4	19931115	JP 1989-500565	19881118
	JP 09184844	A2	19970715	JP 1996-239921	19881118
	JP 10108674	A2	19980428	JP 1997-99651	19881118
	JP 10290696	A2	19981104	JP 1998-111631	19881118
	JP 10290697	A2	19981104	JP 1998-111632	19881118
	JP 2000023683	A2	20000125	JP 1999-157193	19881118
	RU 2162894	C2	20010210	RU 1988-4742221	19881118
	FI 8903447	**A**	**19890717**	**FI 1989-3447**	**19890717**
	FI 105652	B1	20000929		
	NO 8902931	**A**	**19890913**	**NO 1989-2931**	**19890717**
	NO 304990	B1	19990315		
	DK 8903537	**A**	**19890718**	**DK 1989-3537**	**19890718**
	DK 175975	B1	20051010		
	KR 138776	B1	19980515	KR 1989-701343	19890718
	IN 171238	A	19920822	IN 1990-CA802	19900917
	IN 171239	A	19920822	IN 1990-CA805	19900917
	IN 171240	A	19920822	IN 1990-CA808	19900917
	WO 9115771	A1	19911017	WO 1991-US2225	19910329
	W: AU, BB, BG, BR, CA, FI, GB, HU, JP, KP, KR, LK, MC, MG, MW, NO, PL, RO, SD, SU				
	RW: BF, BJ, CF, CG, CM, GA, ML, MR, SN, TD, TG				
	AU 9176510	A1	19911030	AU 1991-76510	19910329
	AU 639560	B2	19930729		
	GB 2257784	A1	19930120	GB 1992-20480	19910329
	BR 9106309	A	19930420	BR 1991-6309	19910329
	HU 62706	A2	19930528	HU 1992-3146	19910329

	HU 217025	B	19991129		
	JP 05508219	T2	19931118	JP 1991-507636	19910329
	JP 2733138	B2	19980330		
	RO 109916	B1	19950728	RO 1975-92012	19910329
	PL 172133	B1	19970829	PL 1991-296329	19910329
	RU 2130969	C1	19990527	RU 1991-5053084	19910329
	EP 450931	A1	19911009	EP 1991-302910	19910403
	EP 450931	B1	19960612		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	EP 693687	A1	19960124	EP 1995-114016	19910403
	EP 693687	B1	19990728		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
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	ES 2088465	T3	19960816	ES 1991-302910	19910403
	AT 182684	E	19990815	AT 1995-114016	19910403
	ES 2134388	T3	19991001	ES 1995-114016	19910403
	US 5683864	A	19971104	US 1992-910760	19920707
	FI 106317	B1	20010115	FI 1992-4349	19920928
	NO 9203839	A	19921119	NO 1992-3839	19921001
	NO 310241	B1	20010611		
	US 5714596	A	19980203	US 1993-40564	19930331
	LV 10306	B	19950620	LV 1993-442	19930531
	LV 10344	B	19960220	LV 1993-4381	19930531
	US 5679342	A	19971021	US 1993-97853	19930727
	US 5350671	A	19940927	US 1993-103961	19930809
	LT 3808	B	19960325	LT 1993-1747	19931230
	HR 940493	B1	20001031	HR 1994-940493	19940907
	US 5698390	A	19971216	US 1994-306472	19940915
	US 6074816	A	20000613	US 1994-307273	19940916
	US 5712087	A	19980127	US 1995-440519	19950512
	US 6312889	B1	20011106	US 1995-440549	19950512
	US 5712088	A	19980127	US 1995-440769	19950515
	US 6096541	A	20000801	US 1995-441026	19950515
	US 6171782	B1	20010109	US 1995-442647	19950515
	US 6861212	B1	20050301	US 1995-441355	19950515
	US 5863719	A	19990126	US 1995-472821	19950607
	NO 9505101	A	19951215	NO 1995-5101	19951215
	NO 306511	B1	19991115		
	NO 9505102	A	19951215	NO 1995-5102	19951215
	NO 303879	B1	19980914		
	US 2003162167	A1	20030828	US 1996-686983	19960725
	JP 09173079	A2	19970708	JP 1996-241451	19960822
	JP 3171793	B2	20010604		
	FI 9801380	A	19980615	FI 1998-1380	19980615
	FI 106564	B1	20010228		
	GR 3031361	T3	20000131	GR 1999-402455	19990929
	DK 200501169	A5	20050819	DK 2005-1169	20050819
PRAI	US 1987-122714	A	19871118		
	IN 1988-CA960	A	19881118		
	US 1987-139886	A	19871230		
	US 1988-161072	A	19880226		
	US 1988-191263	A	19880506		
	US 1988-263584	A	19881026		
	US 1988-271450	A	19881114		
	CN 1988-107988	A	19881118		
	JP 1992-361785	A3	19881118		
	JP 1992-361787	A3	19881118		
	JP 1993-178446	A3	19881118		
	JP 1996-241451	A3	19881118		
	JP 1998-111631	A3	19881118		
	WO 1988-US4125	A	19881118		
	YU 1988-2138	A6	19881118		

US	1989-325338	B2	19890317
US	1989-341334	B2	19890420
US	1989-353896	B2	19890421
US	1989-355002	B2	19890518
US	1989-355961	B2	19890518
NO	1989-2931	A	19890717
DK	1989-3537	A	19890718
US	1989-398667	B2	19890825
US	1989-456637	B2	19891221
US	1990-504352	A	19900404
US	1990-505435	B2	19900404
US	1990-566209	B1	19900808
US	1990-611965	B2	19901108
WO	1991-US2225	A	19910329
EP	1991-302910	A3	19910403
US	1992-910760	A3	19920707
US	1993-40564	A3	19930331
US	1993-103961	A1	19930809
US	1994-306472	A3	19940915
US	1994-307273	A3	19940916

AB The title kit contains a (recombinant) polypeptide contg. an HCV epitope, a pH buffer, a detection label, assay instructions, and packaging. Also provided are polynucleotide probes for detection of HCV nucleic acids, a monoclonal antibody to an HCV epitope for detection of HCV antigens by immunoassay, and vaccines comprising immunogenic peptides contg. an HCV epitope for treatment of HCV infections. The sequence of HCV cDNA suggests that HCV is or resembles a flavivirus. Thus, HCV was isolated from plasma of a chimpanzee with chronic non-A, non-B hepatitis and used to generate a λ-gt11 cDNA library which was screened for prodn. of epitopes which bound to serum from patients with non-A, non-B hepatitis. The cDNAs of several clones were sequenced and used to derive a composite sequence; the corresponding polypeptides were expressed in Escherichia coli as fusion products with superoxide dismutase.

IT **155182-84-6**, DNA (hepatitis C virus clone 5-1-1 cDNA)
RL: PRP (Properties)
(nucleotide sequence of)
RN 155182-84-6 CAPLUS
CN DNA (hepatitis C virus clone 5-1-1 polyprotein fragment-specifying) (9CI) (CA INDEX NAME)

SEQ
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      1 ggcctcctgc ttgaactgct cggcgagcat catacctgac agggaagtcc
     51 tctaccgaga gttcgatgag atggaagagt gctctcagca cttaccgtac
    101 atcgagcaag ggatgatgct cgccgagcag ttcaagcaga aggccctcgg
    151 cctcc
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IT INDEXING IN PROGRESS
IT **155182-84-6**, DNA (hepatitis C virus clone 5-1-1 cDNA)
RL: PRP (Properties)
(nucleotide sequence of)
RN 155182-84-6 CAPLUS
CN DNA (hepatitis C virus clone 5-1-1 polyprotein fragment-specifying) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
Full Text
AN 1990:173651 CAPLUS
DN 112:173651

TI Manufacture of recombinant proteins by Escherichia coli using chimeras of the kdsB gene
IN Bolling, Timothy Jon; Mandecki, Wlodzimierz
PA Abbott Laboratories, USA
SO Eur. Pat. Appl., 29 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	**EP 331961**	**A2**	**19890913**	**EP 1989-102928**	**19890220**
	EP 331961	A3	19900704		
	EP 331961	B1	19951220		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	US 5124255	A	19920623	US 1988-276263	19881123
	AT 131876	E	19960115	AT 1989-102928	19890220
	ES 2083957	T3	19960501	ES 1989-102928	19890220
	AU 8931206	**A1**	**19890914**	**AU 1989-31206**	**19890310**
	AU 625554	B2	19920716		
	JP 02035089	A2	19900205	JP 1989-59466	19890310
	JP 08013273	B4	19960214		
	CA 1335358	A1	19950425	CA 1989-593373	19890310
PRAI	US 1988-167067	A	19880311		
	US 1988-276263	A	19881123		

AB Chimeric genes contg. sequences of the Escherichia coli kdsB gene, encoding CTP:CMP-3-deoxy-manno-octulosonate cytidylyl transferase (CKS, CMP-KDO synthetase, E.C. 2.7.7.38), under the control of a modified lac promoter are used to prep. fusion proteins. This system produces the fusion protein as up to 50% of total cellular protein. A chimeric gene for CKS and HIV p41 (env) protein was constructed using the sequence for the antigenic region of amino acids 548-646 and an appropriate linker. Transformants carrying the plasmids were grown in the presence of iso-Pr thiogalactoside for 3 h. Cell lysates were fractionated by SDS-PAGE and a band corresponding to the fusion protein was visible on Coomassie-stained gels. Western blotting using a goat anti-CKS antibody detected the protein at antibody dilns. of 1:1500.

IT **126466-77-1**
RL: PRP (Properties)
(nucleotide sequence of and expression in Escherichia coli of chimeric gen for)
RN 126466-77-1 CAPLUS
CN DNA, (human immunodeficiency virus clone pAcHT6 459-851-glycoprotein gp 160env[Leu459Trp460Ile461Pro462Gly463Asp464]-specifying plus 3'-flank) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

IT **126466-76-0**
RL: PRP (Properties)
(nucleotide sequence of and expression in Escherichia coli of chimeric gene for)
RN 126466-76-0 CAPLUS
CN DNA, (human immunodeficiency virus clone pAcHT6 459-851-glycoprotein gp 160env[Leu459Trp460Ile461Pro462Gly463Asp464]-specifying) (9CI) (CA INDEX NAME)

NTE doublestranded

SEQ
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      1 ctctggatcc ccggcgaccc gggtggtggt gacatgcgtg acaactggcg
     51 ttctgaactg tacaaataca aagttgttaa aatcgaaccg ctgggtgttg
    101 ctccgactaa agctaaacgt cgtgttgttc agcgtgaaaa acgcgccgtt
    151 ggtatcggtg cactgttcct gggtttcctg ggtgctgctg gttctaccat
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 201 gggtgctgct tctatgaccc tgactgttca ggcccgtcag cttctgtctg
 251 gtatcgttca gcagcagaac aatctgctgc gtgctatcga agctcagcag
 301 catctgctgc aactgaccgt ttggggtatc aaacagcttc aggctcgtat
 351 cctggctgtt gaacgttacc tgaaagacca gcagctgctg ggtatctggg
 401 gttgctctgg taaactgatc tgcactactg ctgttccgtg gaacgcttct
 451 tggtctaaca aatctctgga acagatctgg aacaacatga cttggatgga
 501 atgggaccgt gaaatcaaca actacacaag cttgatccac tctctgatcg
 551 aagaaagcca gaaccagcag gaaaaaaacg aacaggaact tctagaactg
 601 gacaaatggg cttctctgtg gaactggttt aacatcacca actggctgtg
 651 gtacatcaaa ctgttcatca tgatcgttgg tggtctggtt ggtctgcgta
 701 tcgttttcgc tgttctgtct gttgttaacc gtgttcgtca gggttactct
 751 ccgctgtctt tccagaccca tctgccgatc ccgcgtggtc cggaccgtcc
 801 ggaaggtatc gaagaagaag gcggcgaacg tgaccgtgac cgttccattc
 851 gtctggtaaa cggttctctg gctctgatct gggacgatct gcgttctctg
 901 tgcctgttct cttaccaccg tctgcgtgat ctgctgctga tcgtgactcg
 951 tatcgttgaa ctgctcggcc gtcgtggttg ggaagctctg aaatactggt
1001 ggaatctgct tcagtactgg tcccaggaac tgaaaaactc tgctgtttct
1051 ctgctgaacg ctactgctat cgctgttgct gaaggcaccg atcgtgttat
1101 cgaagtagtt cagggtgctt accgtgctat ccgtcacatt ccgcgtcgta
1151 tccgtcaggg tctggaacgt atcctgctgt aa
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IT INDEXING IN PROGRESS
IT **126466-77-1**
RL: PRP (Properties)
(nucleotide sequence of and expression in Escherichia coli of chimeric gen for)
RN 126466-77-1 CAPLUS
CN DNA, (human immunodeficiency virus clone pAcHT6 459-851-glycoprotein gp 160env[Leu459Trp460Ile461Pro462Gly463Asp464]-specifying plus 3'-flank) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

IT **126466-76-0**
RL: PRP (Properties)
(nucleotide sequence of and expression in Escherichia coli of chimeric gene for)
RN 126466-76-0 CAPLUS
CN DNA, (human immunodeficiency virus clone pAcHT6 459-851-glycoprotein gp 160env[Leu459Trp460Ile461Pro462Gly463Asp464]-specifying) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L4 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
Full Text
AN 1990:152619 CAPLUS
DN 112:152619
TI Cloning and sequencing of the gltX gene, encoding the glutamyl-tRNA synthetase of Rhizobium meliloti A2
AU Laberge, Serge; Gagnon, Yves; Bordeleau, Lucien M.; Lapointe, Jacques
CS Fac. Sci. Genie, Univ. Laval, Quebec, QC, G1K 7P4, Can.
SO Journal of Bacteriology (**1989**), 171(7), 3926-32
CODEN: JOBAAY; ISSN: 0021-9193
DT Journal
LA English
AB The gltX gene, coding for glutamyl-tRNA synthetase of R. meliloti A2, was cloned by using as probe a synthetic oligonucleotide corresponding to the amino acid sequence of a segment of the glutamyl-tRNA synthetase. The codons chosen for this 42-mer were those most frequently used in a set of R. meliloti genes. DNA sequence anal. revealed an open reading frame of

484 codons, encoding a polypeptide of Mr 54,166 contg. the amino acid sequences of an NH2-terminal and various internal fragments of the enzyme. Compared with the amino acid sequence of the glutamyl-tRNA synthetase of Escherichia coli, the N-terminal third of the R. meliloti enzyme was strongly conserved (52% identity); the second shift was moderately conserved (38% identity) and included a few highly conserved segments, whereas no significant similarity was found in the C-terminal third. These results suggest that the C-terminal part of the protein is probably not involved in the recognition of substrates, a feature shared with other aminoacyl-tRNA synthetases.

IT **125854-66-2**, Deoxyribonucleic acid (Rhizobium meliloti strain A2 gene gltX)
RL: PRP (Properties); BIOL (Biological study)
(nucleotide sequence of)
RN 125854-66-2 CAPLUS
CN DNA (Rhizobium meliloti strain A2 gene gltX) (9CI) (CA INDEX NAME)

SEQ
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      1 gtcgacagca tcatcacccg ccgtcggcat gaccccgcat ctgccgatca
     51 tggtcgtcgc cgtcgtcgtc gccgtgaccg tcatgctggt tgcagcgaac
    101 ccgcttgcga acttcatcga gagaaatccg acgatcgtca tgctggcgct
    151 ggccttcctc ctgatgatcg gcacgaccct gatcgccaag gcatggcttc
    201 cacgtgccga aggctacgtc catgtgccat ggccttctcc gcactggtcg
    251 aggttctcaa catggtcgcc cgcaacgcgc gcatgagcgg cagaccgcaa
    301 gaacgaaata gaagcacgac acaacgaggc ccgcatcgca atgcgggctt
    351 cgcggtgatc tttgctcgtt gcgggcagcg agacgacgac attgccgctc
    401 gcgctttccg ttgacatgca gggctttcta tggtctcacg cctgccgact
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    501 cataaaatgc gcgcccgcaa gctggaaagc actccggcaa agggccccga
    551 aagcacgtca agacgggcaa agacaatggc agattctgca gtccgggtgc
    601 gtatcgcacc ttcccccacc ggcgagccgc atgtcggcac cgcctatatc
    651 gcgctcttca actatctctt cgccaagaag cacggcggca aattcatcct
    701 gcgcatcgag gacacggatg cgacgcgctc gacgccggaa ttcgagaaga
    751 aggtgctcga cgcgctaaag tggtgcggac tggaatggtc ggaaggtccc
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    851 ctacaagccc tacgtcgaga agatcgtcgc gaacggccac ggtttccgct
    901 gtttctgcac gcccgagcgg ctggaacaga tgcgcgaggc gcagcgcgcc
    951 gccggcaagc cgccgaaata tgacggcctc tgcctcagcc tctcggccga
   1001 ggaagtgacg tcgcgcgtcg acgccggcga gccgcacgtc gtgcgcatga
   1051 agatcccgac cgagggctcc tgcaagttcc gcgacggcgt ctatggcgat
   1101 gtcgagatcc cgtgggaagc cgtcgacatg caggtgctgc tcaaggccga
   1151 cggcatgccg acctatcaca tggcgaacgt cgtcgacgac catctgatga
   1201 agatcaccca tgtcgcacgc ggcgaggagt ggctcgcctc ggtgccgaag
   1251 cacattctga tctatcagta tctgggtctc gagccccctg tcttcatgca
   1301 tctgtcgctg atgcgcaatg ccgacaagtc gaaactgtcg aagcgcaaga
   1351 acccgacctc catctcctac tacacggcgc tcggctacct gccggaagcg
   1401 ctgatgaact tcctcgggct gttcttcatc cagatcgccg aaggcgaaga
   1451 actgctgacg atggaggagc tggcggagaa attcgatccg gaaaacctgt
   1501 ccaaggccgg cgcgatcttc gacatccaga agctcgactg gctgaacgcg
   1551 cgctggatcc gcgagaagct ctccgaagag gaattcgcag cccgcgtcct
   1601 cgcctgggcg atggacaacg aacggctcaa ggaaggtctg aagctctctc
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   1701 ttcaagtcgg atctcggcct gcagcccgcc gcctttgccg gcgtgaaggc
   1751 ctcgcccgag gagatgctca aaatcctgaa caccgtccag ccggatctcg
   1801 aaaagatcct ggaatggaac aaggactcga tcgagacgga gctgcgcgcc
   1851 agcgagcgca tgggcaagaa gctgaaagcc gtggtggcgc cgctcttcgt
   1901 cgcctgctcg ggctcgcagc gctcgctgcc gctgttcgat tcgatggaac
   1951 tgctcggccg ttcggtcgtg cgccagcggc tgaaggtcgc cgcgcaggtc
   2001 gtcgcctcca tggcgggcag tggaaagtaa ggacaagacc atgaccgaca
   2051 agacacaggc agccggcctc tcctccgacg cgacggaagt gcgctcccag
   2101 aagctcgacc tgctgcgcca gcagatcggc gacgtctatc ccgcgcattt
   2151 ccaccgtacg ctcaccaatg cggaactcgc ggagaaatat gccgggctgg
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2201 agcccgatac cgaaagcggc gaaacggtaa ccgttgccgg ccgcgttttc
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2301 gatccagatc ttttcgcaca aggatacggc accggaagag gcgcgcgcgc
2351 ttctgccgat gatcgatctc ggcgacatca tcggggtcac cggagaggtg
2401 cgccgcacca agcgcggcga actgaccgtc aacgccaaag agatcaccat
2451 gctctgcaag tcgctcctgc cgatgccgga gaagtatcac gggcttgccg
2501 atatcgagac gcgctaccgc aagcgctacc tcgacatcat ggtcaacgag
2551 gaatcgaagc tgcgcttcca gcagcgaagc cgcatcgtgt cgagcctgcg
2601 ccgattcctc gaggacgaag gcttcatgga agtggagacg ccgatgctgc
2651 agccgatcta cggcggcgcg acggccgagc ccttcaagac gcatcacaac
2701 acgctgaagc tcgacatgta tctgcgcatc gccgccgagc tttacctgaa
2751 cgcgattctc gtttccggcc tgacggacaa ggtcttcgag atcaaccgca
2801 acttccgcaa cgaaggcgtc tcgacccggc acaatcctga attcaccatg
2851 atggagtgct actgggccta tgctgactac gaggacgtga tgggtctcgt
2901 ggagcgcatg ttcgagaccc tggcgcttgc ggttcacggc aagacggaat
2951 tcgagttcgg cgacaagcag ctctccttca aggggccgtt ccctcgcgtc
3001 tctatgccgg cggcgtcaag gacgcgaccg gaatcgattt ccttgccgct
3051 caagagcgac gaggaggccc ggcaggcggc tcgcgacgcc ggtgtcgaga
3101 tcgagaagga cgcgacctgg ggcgaagtgc tcgccttcct cttcgaggag
3151 aaggtcgaag cgaccttgat ccagcctgct catgtcatcc acttcccgaa
3201 ggacatctcg cccttcgcca aggaggtgcc gggcgagccg cggctcgtcg
3251 agcgcttcga gacctattgc aacggctggg agatcggcaa cgccttttcc
3301 gagctcaacg acccggtcga gcagcgcgcc cgcatggtcg agcagatgga
3351 acaggcgcat gcccgcggcg agaaggaaaa gacgctggac gaggacttcc
3401 tcgatgccat ggaccagggc atgccgcccg ccgggggttt ggggatcggt
3451 gtcgaccggc tgatcatgct gctcaccaac tcgccgtcga tccgcgacat
3501 catcctcttc ccggcccgcc gccagaaggc cgattgacac tttggagctg
3551 gcccgtccca cacggggcgg gggctaggcg cccgcggttc ccgaccggtg
3601 ccattcgcag cgtcgagcgt gcggtgcgtt gagagtcggt ggatcaggcg
3651 cggcaagtca agcccctccc acctgtggga aggggttggg gaggggctct
3701 tcccttaatg actcgccttg ctcctcggcc ggcgcaacgg ccgcgacatc
3751 gcccgttccg acggatcgat gcacatcgag cgatcgtcca tcttggccat
3801 gatggcgcgg acgtcgtgga gttcgagcgt cacgaccttg ccgtggaacc
3851 tgccggcagc gttggccgcg gcctcgttat agaggcgcgg aagggttcat
3901 ccataccggg cacgctccgc ggaccggggg cgaagagcac ctccgcgccg
3951 atcgccgcgc cgcgcacgct tgcgcgatcc tccggacctg ccgcatcgag
4001 cacgaccacc tgataaagat cggcctcctc ctttttggcg agggcgcctg
4051 cgacgcgaag ggcggtcctg atccgatccg gcccgcttgc ccggtccgtc
4101 ttcacatgca tgcggatcc
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IT INDEXING IN PROGRESS
IT **125854-66-2**, Deoxyribonucleic acid (Rhizobium meliloti strain A2 gene gltX)
RL: PRP (Properties); BIOL (Biological study)
(nucleotide sequence of)
RN 125854-66-2 CAPLUS
CN DNA (Rhizobium meliloti strain A2 gene gltX) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L4 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
Full Text
AN 1990:31260 CAPLUS
DN 112:31260
TI Sequence determination and characterization of the replicator region in the tumor-inducing plasmid pTiB6S3
AU Tabata, Satoshi; Hooykaas, Paul J. J.; Oka, Atsuhiro
CS Fac. Sci., Nagoya Univ., Aichi, 464, Japan
SO Journal of Bacteriology (**1989**), 171(3), 1665-72
CODEN: JOBAAY; ISSN: 0021-9193

DT Journal
LA English
AB The replicator region of the 195-kilobase-pair (kb) tumor-inducing plasmid pTiB6S3 was previously identified by isolation of a 6.8-kb miniplasmid. This miniplasmid was joined to ColE1-based vectors and subjected to mutagenesis. The resulting mutant plasmids were examd. for their ability to replicate autonomously in Agrobacterium tumefaciens. A 4.2-kb region was sufficient for displaying replication characteristics similar to those of the parental pTiB6S3. Nucleotide sequence anal. of this 4.2-kb region revealed the presence of 3 possible reading frames in the same direction (repA, repB, and repC). Proteins coded for by these frames were identified by in vitro synthesis in a coupled transcription-translation system. The replicating ability became attenuated by repA and repB mutations but was completely abolished by repC mutations. The size, arrangement, and mutational effects of the 3 rep genes were quite similar to those of the rep genes that were previously identified in the hairy root-inducing plasmid pRiA4b. However, defects caused by rep mutations in one plasmid were unable to be complemented by corresponding functions in the other plasmid.
IT **124301-77-5**, Deoxyribonucleic acid (plasmid pTiB6S3 clone pTi-II gene repC)
RL: PRP (Properties); BIOL (Biological study)
(nucleotide sequence of)
RN 124301-77-5 CAPLUS
CN DNA (plasmid pTiB6S3 clone pTi-II gene repC) (9CI) (CA INDEX NAME)

NTE doublestranded

SEQ
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      1 atgcagacgc atttatcaac gacgcccttt gggcggcggc cgatgactct
     51 cggccagatt tcaagtcaga tgtcagcaaa ggccgtggcg cctgacgcta
    101 ccgcaaataa atggcatgtg ttccagaata tccgggaggc gagggaactg
    151 ctcggcgcaa cggatcgctc gcttgcgatc ctcaatgcct tgctgacctt
    201 tcatcccgag acaacgctta ccggcgatgg tgaaatcatt gtatggccat
    251 ccaacgaaca gctagcggca cgcgccaatg gcatgccggc gacgacgttg
    301 cgtcggcatc ttgcagttct cgtggagtgc ggcctggtca tcaggcgcga
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    501 cgcgaaggag cggctgacgc tgttacgccg tgatatcgtg aagttgatcg
    551 atgcgggtat cgaagagggc gttcccggca actggtgcgg agtgcagcag
    601 gtgtatcaag cgattatcgg caggctacca cgctccgcac caagacagct
    651 tgtggaggag atctgcatcg gtcttcatgc gctgtacata gaaatccgtg
    701 acgtcttgga atctttcgca aaaacacaga ttcaggacgc caatgagtcc
    751 cattttggtc gtcacataca gaattcaaaa ccagactcta tacctgaatc
    801 tgaatacggc tttggaaata aaccagaagc gggcggcacg gttgaggaat
    851 tcgacaacgt gcgaagcctg ccgaagcggg aattgccatt aggaatcgtg
    901 ctgaatgcct gcccgagcgt gctggaactg gctcagggtg gcgaaatccg
    951 ccattggcgc gattttctgg cgactgtcga acttgctcgg ccgatgctgg
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   1101 atcggcaggc ggatacttgc gtaacctgac agatcgagcc cgtgatggta
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   1201 gcgcagaagg tgaaggctga cgatcggctg cccgcgttga acgagacggc
   1251 cgacaatgga tcagggctgc gggcatccga tgcgctgctg agaactctcg
   1301 gcaagtcgag gccgaaatga
```

IT INDEXING IN PROGRESS
IT **124301-77-5**, Deoxyribonucleic acid (plasmid pTiB6S3 clone pTi-II gene repC)
RL: PRP (Properties); BIOL (Biological study)

(nucleotide sequence of)
RN 124301-77-5 CAPLUS
CN DNA (plasmid pTiB6S3 clone pTi-II gene repC) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
Full Text
AN 1989:451313 CAPLUS
DN 111:51313
TI Nucleotide sequence and characterization of toxR: a gene involved in exotoxin A regulation of Pseudomonas aeruginosa [Erratum to document cited in CA107(1):1681n]
AU Wozniak, D. J.; Cram, D. C.; Daniels, C. J.; Galloway, D. R.
CS Dep. Microbiol., Ohio State Univ., Columbus, OH, 43210, USA
SO Nucleic Acids Research (**1989**), 17(8), 3334
CODEN: NARHAD; ISSN: 0305-1048
DT Journal
LA English
AB An error in the original sequence in Figure 5 has been cor. The reading frame now becomes 260 codons and could encode a protein of 28,825 daltons, not 225 codons and 24,626 daltons as reported in the original article. The error was reflected in the abstr.
IT **108727-55-5**, Deoxyribonucleic acid (Pseudomonas aeruginosa clone pFHK10 gene toxR)
RL: PRP (Properties); BIOL (Biological study)
(nucleotide sequence of (Erratum))
RN 108727-55-5 CAPLUS
CN DNA (Pseudomonas aeruginosa clone pFHK10 gene toxR) (9CI) (CA INDEX NAME)

NTE doublestranded

SEQ
```
      1 atgactgcga cagacagaac gcccccgcca ttgaaatggc tctgcctcgg
     51 caaccgtgat gcgaacgacg gattcgagct cttcgcccat ggcatctatg
    101 cgaggaacgg cgcgttggtc ggcagcaagc tctccctgcg cgaacggcgc
    151 cagcgcgtcg acctgtcggc cttcctttcc ggcgcaccgc cgctgcttgc
    201 tgaggcggcg gtcaagcacc tgctggcgcg cctcctgtgc gtgcaccggc
    251 acaacaccga cctcgaactg ctcggcaaga acttcattcc cctgcatgcc
    301 agcagcctgg gcaacgccgg ggtctgcgag cggatcctgg cctcggccag
    351 gcaattgcag cagcaccagg tcgaactctg cctgctgctg gccatcgacg
    401 agcaggaacc cgcctcggcg gagtacctgg cgtccctcgc ccggctacgc
    451 gacagcggcg tgcgcatcgc gctgcacccg caacgcatcg ataccgacgc
    501 tcgccagtgc ttcgccgagg tcgacgccgg cctctgcgat tacctgggcc
    551 tggacgcgcg cctgcttgcc cccggcccgc tgacgcgtaa cctgcgccag
    601 cgcaagagca tcgagtacct gaaccggctg ctggtggcac aggacatcca
    651 gatgctttgc ctcaacgtcg acaatgagga actgcaccaa caagccaacg
    701 cactcccctt cgccttccgt cacggcaggc actattcgga gcctttccag
    751 gcctggccgt tcagcagtcc ggcctgctga
```

IT INDEXING IN PROGRESS
IT **108727-55-5**, Deoxyribonucleic acid (Pseudomonas aeruginosa clone pFHK10 gene toxR)
RL: PRP (Properties); BIOL (Biological study)
(nucleotide sequence of (Erratum))
RN 108727-55-5 CAPLUS
CN DNA (Pseudomonas aeruginosa clone pFHK10 gene toxR) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN

Full Text
AN 1988:605812 CAPLUS
DN 109:205812
TI Characterization of a gene that regulates toxin A synthesis in Pseudomonas aeruginosa
AU Hindahl, Michael S.; Frank, Dara W.; Hamood, Abdul; Iglewski, Barbara H.
CS Med. Cent., Univ. Rochester, Rochester, NY, 14642, USA
SO Nucleic Acids Research (1988), 16(12), 5699
CODEN: NARHAD; ISSN: 0305-1048
DT Journal
LA English
AB The pos. regulatory gene regA of P. aeruginosa, which increases exotoxin A prodn., was subcloned from plasmid pFHK10 where it resided on a 3-kilobase XhoI fragment from PA103 chromosomal DNA. Comparison of the regA gene sequence and previously published sequence data for the same gene (denoted toxR) revealed several notable nucleotide base differences and different start and stop sites for the coding region, resulting in a protein with a predicted mol. wt. of 27,755.
IT **117385-37-2**, Deoxyribonucleic acid (Pseudomonas aeruginosa clone pFHK10 gene regA)
RL: PRP (Properties); BIOL (Biological study)
(nucleotide sequence of)
RN 117385-37-2 CAPLUS
CN DNA (Pseudomonas aeruginosa clone pFHK10 gene regA) (9CI) (CA INDEX NAME)

NTE doublestranded

SEQ
```
      1 atgaaatggc tctgcctcgg caaccgtgat gcgaacgacg gattcgagct
     51 cttcgcccat ggcatctatg cgaggaacgg cgcgttggtc ggcagcaagc
    101 tctccctgcg cgaacggcgc cagcgcgtcg acctgtcggc cttcctttcc
    151 ggcgcaccgc cgctgcttgc tgaggcggcg gtcaagcacc tgctggcgcg
    201 cctcctgtgc gtgcaccggc acaacaccga cctcgaactg ctcggcaaga
    251 acttcattcc cctgcatgcc agcagcctgg gcaacgccgg ggtctgcgag
    301 cggatcctgg cctcggccag gcaattgcag cagcaccagg tcgaactctg
    351 cctgctgctg gccatcgacg agcaggaacc cgcctcggcg gagtacctgg
    401 cgtccctcgc ccggctacgc gacagcggcg tgcgcatcgc gctgcacccg
    451 caacgcatcg ataccgacgc tcgccagtgc ttcgcccgag gtcgacgccg
    501 gcctctgcga ttacctgggc ctggacgcgc gcctgcttgc ccccggcccg
    551 ctgacgcgta acctgcgcca gcgcaagagc atcgagtacc tgaaccggct
    601 gctggtggca caggacatcc agatgctttg cctcaacgtc gacaatgagg
    651 aactgcacca acaagccaac gcactccccc tcgccttccg tcacggcagg
    701 cactattcgg agcctttcca ggcctggccg ttcagcagtc cggcctgctg
    751 a
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IT INDEXING IN PROGRESS
IT **117385-37-2**, Deoxyribonucleic acid (Pseudomonas aeruginosa clone pFHK10 gene regA)
RL: PRP (Properties); BIOL (Biological study)
(nucleotide sequence of)
RN 117385-37-2 CAPLUS
CN DNA (Pseudomonas aeruginosa clone pFHK10 gene regA) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L4 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
Full Text
AN 1987:401681 CAPLUS
DN 107:1681
TI Nucleotide sequence and characterization of toxR: a gene involved in exotoxin A regulation of Pseudomonas aeruginosa

AU Wozniak, D. J.; Cram, D. C.; Daniels, C. J.; Galloway, D. R.
CS Dep. Microbiol., Ohio State Univ., Columbus, OH, 43210, USA
SO Nucleic Acids Research (**1987**), 15(5), 2123-35
CODEN: NARHAD; ISSN: 0305-1048
DT Journal
LA English
AB The P. aeruginosa gene toxR, regulates the expression of the exotoxin A (ETA) structural gene toxA. The toxR gene was transferred to a high-copy-no. plasmid (pGW28). Nucleotide sequence anal. of pGW28 revealed a 675-bp open reading frame (225 codons) which could encode for a protein of 24,626 daltons. Using S1 nuclease mapping, the toxR RNA transcript was shown to originate 20 bp upstream of the presumptive translation initiation codon. Expts. using a toxA-specific probe revealed that the toxR gene product regulates the expression of ETA at the transcriptional level.
IT **108727-55-5**
RL: PRP (Properties); BIOL (Biological study)
(nucleotide sequence of)
RN 108727-55-5 CAPLUS
CN DNA (Pseudomonas aeruginosa clone pFHK10 gene toxR) (9CI) (CA INDEX NAME)

NTE doublestranded

SEQ
```
      1 atgactgcga cagacagaac gcccccgcca ttgaaatggc tctgcctcgg
     51 caaccgtgat gcgaacgacg gattcgagct cttcgcccat ggcatctatg
    101 cgaggaacgg cgcgttggtc ggcagcaagc tctccctgcg cgaacggcgc
    151 cagcgcgtcg acctgtcggc cttcctttcc ggcgcaccgc cgctgcttgc
    201 tgaggcggcg gtcaagcacc tgctggcgcg cctcctgtgc gtgcaccggc
    251 acaacaccga cctcgaactg ctcggcaaga acttcattcc cctgcatgcc
    301 agcagcctgg gcaacgccgg ggtctgcgag cggatcctgg cctcggccag
    351 gcaattgcag cagcaccagg tcgaactctg cctgctgctg gccatcgacg
    401 agcaggaacc cgcctcggcg gagtacctgg cgtccctcgc ccggctacgc
    451 gacagcggcg tgcgcatcgc gctgcacccg caacgcatcg ataccgacgc
    501 tcgccagtgc ttcgccgagg tcgacgccgg cctctgcgat tacctgggcc
    551 tggacgcgcg cctgcttgcc cccggcccgc tgacgcgtaa cctgcgccag
    601 cgcaagagca tcgagtacct gaaccggctg ctggtggcac aggacatcca
    651 gatgctttgc ctcaacgtcg acaatgagga actgcaccaa caagccaacg
    701 cactcccctt cgccttccgt cacggcaggc actattcgga gcctttccag
    751 gcctggccgt tcagcagtcc ggcctgctga
```

IT INDEXING IN PROGRESS
IT **108727-55-5**
RL: PRP (Properties); BIOL (Biological study)
(nucleotide sequence of)
RN 108727-55-5 CAPLUS
CN DNA (Pseudomonas aeruginosa clone pFHK10 gene toxR) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

L4 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
Full Text
AN 1987:1203 CAPLUS
DN 106:1203
TI Transcription and processing signals in the 3-phosphoglycerate kinase (PGK) gene from Aspergillus nidulans
AU Clements, J. M.; Roberts, C. F.
CS Dep. Genet., Univ. Leicester, Leicester, LE1 7RH, UK
SO Gene (**1986**), 44(1), 97-105
CODEN: GENED6; ISSN: 0378-1119
DT Journal

LA English

AB The 3-phosphoglycerate kinase [9001-83-6] gene from A. nidulans contains 2 57-base-pair (bp) introns and codes for a 421-amino acid protein with considerable homol. to the Saccharomyces cerevisiae (68%) and mammalian (64%) proteins. Almost total conservation is found in Aspergillus of residues thought to be important to the structure and function of the yeast enzyme, and the introns fall between coding sequences for postulated structures in the N-domain. The strong codon preference found is more similar to that in other filamentous fungi than in yeast. The transcription start point (+1) was 32 bp upstream from the start codon, and the promoter region contains potential homologies for CAAT (-80 bp) and TATA (-30 bp) sequences and certain other features common to other highly expressed genes in ascomycetes. There are 3 major termini 23, 83, and 115 bp beyond the stop codon, and 2 of these are preceded by the polyadenylation consensus sequence and contain potential secondary structure.

IT **105634-23-9**
RL: PRP (Properties); BIOL (Biological study)
(nucleotide sequence of)

RN 105634-23-9 CAPLUS

CN DNA (Aspergillus nidulans gene PGK) (9CI) (CA INDEX NAME)

NTE doublestranded

SEQ
```
      1 atgtctctca ccagcaagct ttccatcaca gatgtggatc tcaaggacaa
     51 gcgtgtcctg atccgagtac gttgagccta taaacgcccc ctaatgaccc
    101 ctctaacgct gaattgtaac taggttgact tcaatgtgcc cctcgacaag
    151 aacgacaaca ccacaatcac caaccctcag cgtatcgtcg gtgctctgcc
    201 taccatcaag tatgccatcg ataacggcgc caaggccgtc atcctcatgt
    251 cccaccttgg ccgtcctgat ggcaagaaga accccaagta cagcttgaag
    301 cccgttgtgc ccaagctcaa ggaactgctc ggccgcgacg tcatctttac
    351 tgaggactgc gttggcccag aggtcgagga gactgttaac aaggcctccg
    401 gtggccaggt catccttctt gagaacctgc gcttccacgc cgaggaggaa
    451 ggaagctcta aggatgcaga cggcaacaag gtcaaggccg acaaggacgc
    501 ggttgcgcag ttccgtaagg gattgactgc tttgggtgac atttacatca
    551 gtaagtagcc ttcaaaccac tctcttgcaa ctgagtccgt tattgactgc
    601 tatatagacg atgcctttgg taccgcccac cgtgctcaca gctccatggt
    651 cggtgtcgac cttccccaga aggcctccgg attcctcgtc aagaaggagc
    701 tcgaatactt cgcgaaggcc ctcgaggagc cccagcggcc cttcctcgcc
    751 atccttggtg gctctaaggt ttccgacaag atccagctaa ttgacaacct
    801 ccttcccaag gtcaacagcc tcatcattac cggaggcatg gctttcacct
    851 tcaagaagac tctcgagaac gtcaagattg gaagcagtct cttcgatgag
    901 gccggcagca agatcgtcgg taacatcatc gaaaaggcca agaagcacaa
    951 cgtcaaggtt gttcttcccg tcgactacgt cactgccgat aagtttgccg
   1001 ccgatgcgaa gactggctac gccactgatg agcagggtat ccctgatggt
   1051 tacatgggct tagacgttgg cgagaagagt gtcgagtcct acaagcagac
   1101 cattgccgag tccaagacta ttctgtggaa cggacccccc ggtgtctttg
   1151 agatggagcc cttcgctaag gctaccaagg ctactcttga cgctgctgtg
   1201 gcggctgttc agaacggtgc taccgtcatt attggtggtg gtgacactgc
   1251 taccgttgcc gccaagtacg gcgctgagga caagattagc cacgtttcta
   1301 ccggtggtgg tgcctcgctg gagctcctgg agggcaagga actgcctggt
   1351 gttgctgctc tctctgagaa aagtaagtaa
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IT INDEXING IN PROGRESS

IT **105634-23-9**
RL: PRP (Properties); BIOL (Biological study)
(nucleotide sequence of)

RN 105634-23-9 CAPLUS

CN DNA (Aspergillus nidulans gene PGK) (9CI) (CA INDEX NAME)

STRUCTURE DIAGRAM IS NOT AVAILABLE

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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    88.17     130.40

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                   -12.00     -12.00

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*                                                                   *
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predicted properties as well as tags indicating availability of
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        191890 SQL=12
L5           0 CACTTACCGTAC/SQEN
               (CACTTACCGTAC/SQEN AND SQL=12)

=> s cacttaccgtac/sqsn
L6         780 CACTTACCGTAC/SQSN

=> s l6 and SQL<375
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L7           34 L6 AND SQL<375
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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
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FULL ESTIMATED COST                                    41.14     171.54

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00     -12.00

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             9 L7
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L8            1 L7 AND PY<1990

=> d bib ab hitseq

L8   ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2006 ACS on STN
Full Text
AN   1994:296653  CAPLUS
DN   120:296653
TI   A method for preparing a kit for the detection of antibodies to HCV
     (hepatitis C virus) in biological samples such as blood serum
IN   Houghton, Michael; Choo, Qui Lim; Kuo, George
PA   Chiron Corp., India
SO   Indian, 157 pp.
     CODEN: INXXAP
DT   Patent
LA   English
FAN.CNT 8
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
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PI   IN 171237            A     19920822    IN 1990-CA801          19900917
     AU 8927967           A1    19890614    AU 1989-27967          19881118
     AU 624105            B2    19920604
     ZA 8808669           A     19890830    ZA 1988-8669           19881118
     BR 8807310           A     19900313    BR 1988-7310           19881118
     DD 287104            A5    19910214    DD 1988-321971         19881118
     IN 169067            A     19910831    IN 1988-CA960          19881118
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IN 171240	A	19920822	IN 1990-CA808	19900917
WO 9115771	A1	19911017	WO 1991-US2225	19910329
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RW: BF, BJ, CF, CG, CM, GA, ML, MR, SN, TD, TG				
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HU 62706	A2	19930528	HU 1992-3146	19910329
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RO 109916	B1	19950728	RO 1975-92012	19910329
PL 172133	B1	19970829	PL 1991-296329	19910329
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	DK 200501169	A5	20050819	DK 2005-1169	20050819
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	IN 1988-CA960	A	19881118		
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	US 1988-161072	A	19880226		
	US 1988-191263	A	19880506		
	US 1988-263584	A	19881026		
	US 1988-271450	A	19881114		
	CN 1988-107988	A	19881118		
	JP 1992-361785	A3	19881118		
	JP 1992-361787	A3	19881118		
	JP 1993-178446	A3	19881118		
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	JP 1998-111631	A3	19881118		
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	YU 1988-2138	A6	19881118		
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	US 1990-504352	A	19900404		
	US 1990-505435	B2	19900404		
	US 1990-566209	B1	19900808		
	US 1990-611965	B2	19901108		
	WO 1991-US2225	A	19910329		
	EP 1991-302910	A3	19910403		
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	US 1993-40564	A3	19930331		
	US 1993-103961	A1	19930809		
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	US 1994-307273	A3	19940916		

AB The title kit contains a (recombinant) polypeptide contg. an HCV epitope, a pH buffer, a detection label, assay instructions, and packaging. Also provided are polynucleotide probes for detection of HCV nucleic acids, a monoclonal antibody to an HCV epitope for detection of HCV antigens by immunoassay, and vaccines comprising immunogenic peptides contg. an HCV epitope for treatment of HCV infections. The sequence of HCV cDNA suggests that HCV is or resembles a flavivirus. Thus, HCV was isolated from plasma of a chimpanzee with chronic non-A, non-B hepatitis and used to generate a λ-gt11 cDNA library which was screened for prodn. of epitopes which bound to serum from patients with non-A, non-B hepatitis.

The cDNAs of several clones were sequenced and used to derive a composite sequence; the corresponding polypeptides were expressed in Escherichia coli as fusion products with superoxide dismutase.

IT **155182-84-6**, DNA (hepatitis C virus clone 5-1-1 cDNA)
155182-87-9, DNA (hepatitis C virus clone 1-2 cDNA)
RL: PRP (Properties)
(nucleotide sequence of)

RN 155182-84-6 CAPLUS
CN DNA (hepatitis C virus clone 5-1-1 polyprotein fragment-specifying) (9CI) (CA INDEX NAME)

SEQ 1 ggcctcctgc ttgaactgct cggcgagcat catacctgac agggaagtcc
51 tctaccgaga gttcgatgag atggaagagt gctctcagca cttaccgtac
101 atcgagcaag ggatgatgct cgccgagcag ttcaagcaga aggccctcgg
151 cctcc

RN 155182-87-9 CAPLUS
CN DNA (hepatitis C virus clone 1-2 164-nucleotide fragment) (9CI) (CA INDEX NAME)

SEQ 1 ggtcatagtg ggcagggtcg tcttgtccgg gaagccggca atcatacctg
51 acagggaagt cctctatcga gagttcgatg agatggaaga gtgctctcag
101 cacttaccgt acatcgagca agggatgatg ctcgccgagc agttcaagca
151 gaaggccctc ggcc

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.16	181.70

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.75	-12.75

FILE 'REGISTRY' ENTERED AT 11:53:28 ON 06 JAN 2006
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 4 JAN 2006 HIGHEST RN 871209-00-6
DICTIONARY FILE UPDATES: 4 JAN 2006 HIGHEST RN 871209-00-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

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*

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* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,    *
* effective March 20, 2005.  A new display format, IDERL, is now     *
* available and contains the CA role and document type information.  *
*                                                                    *
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Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s aagcagaaggcc/sqen
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        191890 SQL=12
L9           0 AAGCAGAAGGCC/SQEN
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=> s aagcagaaggcc/sqsn
L10      11437 AAGCAGAAGGCC/SQSN

=> s l10 and SQL<375
      21530848 SQL<375
L11         574 L10 AND SQL<375

=> file caplus; s l11 and PY<1990
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                                                     ENTRY    SESSION
FULL ESTIMATED COST                                  41.14     222.84

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                                   0.00     -12.75

FILE 'CAPLUS' ENTERED AT 11:54:43 ON 06 JAN 2006
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FILE COVERS 1907 - 6 Jan 2006  VOL 144 ISS 2
FILE LAST UPDATED: 4 Jan 2006  (20060104/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html
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          254 L11
     13074835 PY<1990
L12          1 L11 AND PY<1990

=> d bib ab hitseq

L12  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2006 ACS on STN
Full Text
AN   1994:296653  CAPLUS
DN   120:296653
TI   A method for preparing a kit for the detection of antibodies to HCV
     (hepatitis C virus) in biological samples such as blood serum
IN   Houghton, Michael; Choo, Qui Lim; Kuo, George
PA   Chiron Corp., India
SO   Indian, 157 pp.
     CODEN: INXXAP
DT   Patent
LA   English
FAN.CNT 8
     PATENT NO.          KIND   DATE        APPLICATION NO.          DATE
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PI   IN 171237           A      19920822    IN 1990-CA801            19900917
     AU 8927967          A1     19890614    AU 1989-27967            19881118
     AU 624105           B2     19920604
     ZA 8808669          A      19890830    ZA 1988-8669             19881118
     BR 8807310          A      19900313    BR 1988-7310             19881118
     DD 287104           A5     19910214    DD 1988-321971           19881118
     IN 169067           A      19910831    IN 1988-CA960            19881118
     DD 298524           A5     19920227    DD 1988-344401           19881118
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     DD 298527           A5     19920227    DD 1988-344404           19881118
     CN 1073719          A      19930630    CN 1992-110257           19881118
     CN 1074422          B      20011107
     JP 05081600         B4     19931115    JP 1989-500565           19881118
     JP 09184844         A2     19970715    JP 1996-239921           19881118
     JP 10108674         A2     19980428    JP 1997-99651            19881118
     JP 10290696         A2     19981104    JP 1998-111631           19881118
     JP 10290697         A2     19981104    JP 1998-111632           19881118
     JP 2000023683       A2     20000125    JP 1999-157193           19881118
     RU 2162894          C2     20010210    RU 1988-4742221          19881118
     FI 8903447          A      19890717    FI 1989-3447             19890717
     FI 105652           B1     20000929
     NO 8902931          A      19890913    NO 1989-2931             19890717
     NO 304990           B1     19990315
     DK 8903537          A      19890718    DK 1989-3537             19890718
     DK 175975           B1     20051010
     KR 138776           B1     19980515    KR 1989-701343           19890718
     IN 171238           A      19920822    IN 1990-CA802            19900917
     IN 171239           A      19920822    IN 1990-CA805            19900917
     IN 171240           A      19920822    IN 1990-CA808            19900917
     WO 9115771          A1     19911017    WO 1991-US2225           19910329
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        RW: BF, BJ, CF, CG, CM, GA, ML, MR, SN, TD, TG
     AU 9176510          A1     19911030    AU 1991-76510            19910329
     AU 639560           B2     19930729
     GB 2257784          A1     19930120    GB 1992-20480            19910329
     BR 9106309          A      19930420    BR 1991-6309             19910329
     HU 62706            A2     19930528    HU 1992-3146             19910329
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	HU 217025	B	19991129		
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	JP 2733138	B2	19980330		
	RO 109916	B1	19950728	RO 1975-92012	19910329
	PL 172133	B1	19970829	PL 1991-296329	19910329
	RU 2130969	C1	19990527	RU 1991-5053084	19910329
	EP 450931	A1	19911009	EP 1991-302910	19910403
	EP 450931	B1	19960612		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	EP 693687	A1	19960124	EP 1995-114016	19910403
	EP 693687	B1	19990728		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
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	ES 2088465	T3	19960816	ES 1991-302910	19910403
	AT 182684	E	19990815	AT 1995-114016	19910403
	ES 2134388	T3	19991001	ES 1995-114016	19910403
	US 5683864	A	19971104	US 1992-910760	19920707
	FI 106317	B1	20010115	FI 1992-4349	19920928
	NO 9203839	A	19921119	NO 1992-3839	19921001
	NO 310241	B1	20010611		
	US 5714596	A	19980203	US 1993-40564	19930331
	LV 10306	B	19950620	LV 1993-442	19930531
	LV 10344	B	19960220	LV 1993-4381	19930531
	US 5679342	A	19971021	US 1993-97853	19930727
	US 5350671	A	19940927	US 1993-103961	19930809
	LT 3808	B	19960325	LT 1993-1747	19931230
	HR 940493	B1	20001031	HR 1994-940493	19940907
	US 5698390	A	19971216	US 1994-306472	19940915
	US 6074816	A	20000613	US 1994-307273	19940916
	US 5712087	A	19980127	US 1995-440519	19950512
	US 6312889	B1	20011106	US 1995-440549	19950512
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	US 6096541	A	20000801	US 1995-441026	19950515
	US 6171782	B1	20010109	US 1995-442647	19950515
	US 6861212	B1	20050301	US 1995-441355	19950515
	US 5863719	A	19990126	US 1995-472821	19950607
	NO 9505101	A	19951215	NO 1995-5101	19951215
	NO 306511	B1	19991115		
	NO 9505102	A	19951215	NO 1995-5102	19951215
	NO 303879	B1	19980914		
	US 2003162167	A1	20030828	US 1996-686983	19960725
	JP 09173079	A2	19970708	JP 1996-241451	19960822
	JP 3171793	B2	20010604		
	FI 9801380	A	19980615	FI 1998-1380	19980615
	FI 106564	B1	20010228		
	GR 3031361	T3	20000131	GR 1999-402455	19990929
	DK 200501169	A5	20050819	DK 2005-1169	20050819
PRAI	US 1987-122714	A	19871118		
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	US 1987-139886	A	19871230		
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	US 1988-191263	A	19880506		
	US 1988-263584	A	19881026		
	US 1988-271450	A	19881114		
	CN 1988-107988	A	19881118		
	JP 1992-361785	A3	19881118		
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	JP 1993-178446	A3	19881118		
	JP 1996-241451	A3	19881118		
	JP 1998-111631	A3	19881118		
	WO 1988-US4125	A	19881118		
	YU 1988-2138	A6	19881118		

US 1989-325338	B2	19890317
US 1989-341334	B2	19890420
US 1989-353896	B2	19890421
US 1989-355002	B2	19890518
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NO 1989-2931	A	19890717
DK 1989-3537	A	19890718
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US 1989-456637	B2	19891221
US 1990-504352	A	19900404
US 1990-505435	B2	19900404
US 1990-566209	B1	19900808
US 1990-611965	B2	19901108
WO 1991-US2225	A	19910329
EP 1991-302910	A3	19910403
US 1992-910760	A3	19920707
US 1993-40564	A3	19930331
US 1993-103961	A1	19930809
US 1994-306472	A3	19940915
US 1994-307273	A3	19940916

AB The title kit contains a (recombinant) polypeptide contg. an HCV epitope, a pH buffer, a detection label, assay instructions, and packaging. Also provided are polynucleotide probes for detection of HCV nucleic acids, a monoclonal antibody to an HCV epitope for detection of HCV antigens by immunoassay, and vaccines comprising immunogenic peptides contg. an HCV epitope for treatment of HCV infections. The sequence of HCV cDNA suggests that HCV is or resembles a flavivirus. Thus, HCV was isolated from plasma of a chimpanzee with chronic non-A, non-B hepatitis and used to generate a λ-gt11 cDNA library which was screened for prodn. of epitopes which bound to serum from patients with non-A, non-B hepatitis. The cDNAs of several clones were sequenced and used to derive a composite sequence; the corresponding polypeptides were expressed in Escherichia coli as fusion products with superoxide dismutase.

IT **155182-84-6**, DNA (hepatitis C virus clone 5-1-1 cDNA)
155182-87-9, DNA (hepatitis C virus clone 1-2 cDNA)
RL: PRP (Properties)
(nucleotide sequence of)

RN 155182-84-6 CAPLUS

CN DNA (hepatitis C virus clone 5-1-1 polyprotein fragment-specifying) (9CI) (CA INDEX NAME)

SEQ
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  1 ggcctcctgc ttgaactgct cggcgagcat catacctgac agggaagtcc
 51 tctaccgaga gttcgatgag atggaagagt gctctcagca cttaccgtac
101 atcgagcaag ggatgatgct cgccgagcag ttcaagcaga aggccctcgg
151 cctcc
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RN 155182-87-9 CAPLUS

CN DNA (hepatitis C virus clone 1-2 164-nucleotide fragment) (9CI) (CA INDEX NAME)

SEQ
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  1 ggtcatagtg ggcagggtcg tcttgtccgg gaagccggca atcatacctg
 51 acagggaagt cctctatcga gagttcgatg agatggaaga gtgctctcag
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151 gaaggccctc ggcc
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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     10.16     233.00

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     -0.75     -13.50

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STRUCTURE FILE UPDATES:    4 JAN 2006  HIGHEST RN 871209-00-6
DICTIONARY FILE UPDATES:   4 JAN 2006  HIGHEST RN 871209-00-6

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TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

*************************************************************************
*                                                                       *
* The CA roles and document type information have been removed from     *
* the IDE default display format and the ED field has been added,       *
* effective March 20, 2005.  A new display format, IDERL, is now        *
* available and contains the CA role and document type information.     *
*                                                                       *
*************************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s atggaagagtgc/sqen
             0 ATGGAAGAGTGC/SQEN
        191890 SQL=12
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                  (ATGGAAGAGTGC/SQEN AND SQL=12)

=> s atggaagagtgc/sqsn
L14       4717 ATGGAAGAGTGC/SQSN

=> s l14 and SQL<375
      21530848 SQL<375
L15         213 L14 AND SQL<375

=> file caplus; s l15 and PY<1990
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
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                                                        ENTRY     SESSION
FULL ESTIMATED COST                                     41.58      274.58

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)         SINCE FILE       TOTAL
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CA SUBSCRIBER PRICE                                      0.00      -13.50

FILE 'CAPLUS' ENTERED AT 11:56:42 ON 06 JAN 2006
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FILE COVERS 1907 - 6 Jan 2006  VOL 144 ISS 2
FILE LAST UPDATED: 4 Jan 2006  (20060104/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html


           109 L15
      13074835 PY<1990
L16           1 L15 AND PY<1990

=> d bib ab hitseq

L16  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2006 ACS on STN
Full Text
AN   1994:296653  CAPLUS
DN   120:296653
TI   A method for preparing a kit for the detection of antibodies to HCV
     (hepatitis C virus) in biological samples such as blood serum
IN   Houghton, Michael; Choo, Qui Lim; Kuo, George
PA   Chiron Corp., India
SO   Indian, 157 pp.
     CODEN: INXXAP
DT   Patent
LA   English
FAN.CNT 8
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PI   IN 171237           A      19920822    IN 1990-CA801          19900917
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     AU 624105           B2     19920604
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     DD 287104           A5     19910214    DD 1988-321971         19881118
     IN 169067           A      19910831    IN 1988-CA960          19881118
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JP 09184844	A2	19970715	JP 1996-239921	19881118
JP 10108674	A2	19980428	JP 1997-99651	19881118
JP 10290696	A2	19981104	JP 1998-111631	19881118
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JP 2000023683	A2	20000125	JP 1999-157193	19881118
RU 2162894	C2	20010210	RU 1988-4742221	19881118
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NO 304990	B1	19990315		
DK 8903537	**A**	**19890718**	**DK 1989-3537**	**19890718**
DK 175975	B1	20051010		
KR 138776	B1	19980515	KR 1989-701343	19890718
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AU 639560	B2	19930729		
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BR 9106309	A	19930420	BR 1991-6309	19910329
HU 62706	A2	19930528	HU 1992-3146	19910329
HU 217025	B	19991129		
JP 05508219	T2	19931118	JP 1991-507636	19910329
JP 2733138	B2	19980330		
RO 109916	B1	19950728	RO 1975-92012	19910329
PL 172133	B1	19970829	PL 1991-296329	19910329
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EP 693687	B1	19990728		
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AT 182684	E	19990815	AT 1995-114016	19910403
ES 2134388	T3	19991001	ES 1995-114016	19910403
US 5683864	A	19971104	US 1992-910760	19920707
FI 106317	B1	20010115	FI 1992-4349	19920928
NO 9203839	A	19921119	NO 1992-3839	19921001
NO 310241	B1	20010611		
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LV 10344	B	19960220	LV 1993-4381	19930531
US 5679342	A	19971021	US 1993-97853	19930727
US 5350671	A	19940927	US 1993-103961	19930809
LT 3808	B	19960325	LT 1993-1747	19931230
HR 940493	B1	20001031	HR 1994-940493	19940907
US 5698390	A	19971216	US 1994-306472	19940915
US 6074816	A	20000613	US 1994-307273	19940916
US 5712087	A	19980127	US 1995-440519	19950512
US 6312889	B1	20011106	US 1995-440549	19950512
US 5712088	A	19980127	US 1995-440769	19950515

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	US 6171782	B1	20010109	US 1995-442647	19950515
	US 6861212	B1	20050301	US 1995-441355	19950515
	US 5863719	A	19990126	US 1995-472821	19950607
	NO 9505101	A	19951215	NO 1995-5101	19951215
	NO 306511	B1	19991115		
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	NO 303879	B1	19980914		
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	JP 3171793	B2	20010604		
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	FI 106564	B1	20010228		
	GR 3031361	T3	20000131	GR 1999-402455	19990929
	DK 200501169	A5	20050819	DK 2005-1169	20050819
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	IN 1988-CA960	A	19881118		
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	US 1988-161072	A	19880226		
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	JP 1998-111631	A3	19881118		
	WO 1988-US4125	A	19881118		
	YU 1988-2138	A6	19881118		
	US 1989-325338	B2	19890317		
	US 1989-341334	B2	19890420		
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	US 1989-355961	B2	19890518		
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	US 1989-398667	B2	19890825		
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	US 1990-611965	B2	19901108		
	WO 1991-US2225	A	19910329		
	EP 1991-302910	A3	19910403		
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	US 1993-40564	A3	19930331		
	US 1993-103961	A1	19930809		
	US 1994-306472	A3	19940915		
	US 1994-307273	A3	19940916		

AB The title kit contains a (recombinant) polypeptide contg. an HCV epitope, a pH buffer, a detection label, assay instructions, and packaging. Also provided are polynucleotide probes for detection of HCV nucleic acids, a monoclonal antibody to an HCV epitope for detection of HCV antigens by immunoassay, and vaccines comprising immunogenic peptides contg. an HCV epitope for treatment of HCV infections. The sequence of HCV cDNA suggests that HCV is or resembles a flavivirus. Thus, HCV was isolated from plasma of a chimpanzee with chronic non-A, non-B hepatitis and used to generate a λ-gt11 cDNA library which was screened for prodn. of epitopes which bound to serum from patients with non-A, non-B hepatitis. The cDNAs of several clones were sequenced and used to derive a composite sequence; the corresponding polypeptides were expressed in Escherichia

coli as fusion products with superoxide dismutase.
IT **155182-84-6**, DNA (hepatitis C virus clone 5-1-1 cDNA)
155182-87-9, DNA (hepatitis C virus clone 1-2 cDNA)
RL: PRP (Properties)
(nucleotide sequence of)
RN 155182-84-6 CAPLUS
CN DNA (hepatitis C virus clone 5-1-1 polyprotein fragment-specifying) (9CI) (CA INDEX NAME)

SEQ 1 ggcctcctgc ttgaactgct cggcgagcat catacctgac agggaagtcc
51 tctaccgaga gttcgatgag atggaagagt gctctcagca cttaccgtac
101 atcgagcaag ggatgatgct cgccgagcag ttcaagcaga aggccctcgg
151 cctcc

RN 155182-87-9 CAPLUS
CN DNA (hepatitis C virus clone 1-2 164-nucleotide fragment) (9CI) (CA INDEX NAME)

SEQ 1 ggtcatagtg ggcagggtcg tcttgtccgg gaagccggca atcatacctg
51 acagggaagt cctctatcga gagttcgatg agatggaaga gtgctctcag
101 cacttaccgt acatcgagca agggatgatg ctcgccgagc agttcaagca
151 gaaggccctc ggcc

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.16	284.74
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.75	-14.25

FILE 'REGISTRY' ENTERED AT 11:57:08 ON 06 JAN 2006
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DICTIONARY FILE UPDATES: 4 JAN 2006 HIGHEST RN 871209-00-6

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****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *

```
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                   *
*********************************************************************

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predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s gaacttcatcag/sqen
             0 GAACTTCATCAG/SQEN
        191890 SQL=12
L17          0 GAACTTCATCAG/SQEN
                 (GAACTTCATCAG/SQEN AND SQL=12)

=> s gaacttcatcag/sqsn
L18       5419 GAACTTCATCAG/SQSN

=> s l18 and SQL<375
      21530848 SQL<375
L19        278 L18 AND SQL<375

=> file caplus; s l19 and PY<1990
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      41.14     325.88

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                         ENTRY    SESSION
CA SUBSCRIBER PRICE                                       0.00     -14.25

FILE 'CAPLUS' ENTERED AT 11:58:34 ON 06 JAN 2006
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FILE LAST UPDATED: 4 Jan 2006  (20060104/ED)

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They are available for your review at:

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```

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          112 L19
     13074835 PY<1990
L20          0 L19 AND PY<1990

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     2.41     328.29

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00     -14.25

FILE 'REGISTRY' ENTERED AT 11:59:13 ON 06 JAN 2006
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DICTIONARY FILE UPDATES:   4 JAN 2006  HIGHEST RN 871209-00-6

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  conducting SmartSELECT searches.

*************************************************************************
*                                                                       *
* The CA roles and document type information have been removed from     *
* the IDE default display format and the ED field has been added,       *
* effective March 20, 2005.  A new display format, IDERL, is now        *
* available and contains the CA role and document type information.     *
*                                                                       *
*************************************************************************

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for details.

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predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s aaccccgccatt/sqen
             0 AACCCCGCCATT/SQEN
        191890 SQL=12
L21          0 AACCCCGCCATT/SQEN
                  (AACCCCGCCATT/SQEN AND SQL=12)

=> s aaccccgccatt/sqsn
L22       1203 AACCCCGCCATT/SQSN

=> s l22 and SQL<375
      21530848 SQL<375
L23          45 L22 AND SQL<375
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=> file caplus; s l23 and PY<1990
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     41.14     369.43

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                      0.00     -14.25

FILE 'CAPLUS' ENTERED AT 12:00:18 ON 06 JAN 2006
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FILE LAST UPDATED: 4 Jan 2006  (20060104/ED)

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            26 L23
      13074835 PY<1990
L24          0 L23 AND PY<1990

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                      3.33     372.76

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                      0.00     -14.25

FILE 'REGISTRY' ENTERED AT 12:01:52 ON 06 JAN 2006
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DICTIONARY FILE UPDATES:   4 JAN 2006  HIGHEST RN 871209-00-6

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**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                    *
**********************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

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predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s gtccgggaagcc/sqen
             0 GTCCGGGAAGCC/SQEN
        191890 SQL=12
L25          0 GTCCGGGAAGCC/SQEN
                  (GTCCGGGAAGCC/SQEN AND SQL=12)

=> s gtccgggaagcc/sqsn
L26       3071 GTCCGGGAAGCC/SQSN

=> s l26 and SQL<375
      21530848 SQL<375
L27        249 L26 AND SQL<375

=> file caplus; s l27 and PY<1990
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                41.14     413.90

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                   ENTRY    SESSION
CA SUBSCRIBER PRICE                                 0.00     -14.25

FILE 'CAPLUS' ENTERED AT 12:03:04 ON 06 JAN 2006
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            91 L27
      13074835 PY<1990
L28          1 L27 AND PY<1990

=> d bib ab hitseq

L28  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2006 ACS on STN
Full Text
AN   1994:296653  CAPLUS
DN   120:296653
TI   A method for preparing a kit for the detection of antibodies to HCV
     (hepatitis C virus) in biological samples such as blood serum
IN   Houghton, Michael; Choo, Qui Lim; Kuo, George
PA   Chiron Corp., India
SO   Indian, 157 pp.
     CODEN: INXXAP
DT   Patent
LA   English
FAN.CNT 8
     PATENT NO.          KIND   DATE        APPLICATION NO.          DATE
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PI   IN 171237           A      19920822    IN 1990-CA801            19900917
     AU 8927967          A1     19890614    AU 1989-27967            19881118
     AU 624105           B2     19920604
     ZA 8808669          A      19890830    ZA 1988-8669             19881118
     BR 8807310          A      19900313    BR 1988-7310             19881118
     DD 287104           A5     19910214    DD 1988-321971           19881118
     IN 169067           A      19910831    IN 1988-CA960            19881118
     DD 298524           A5     19920227    DD 1988-344401           19881118
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     CN 1073719          A      19930630    CN 1992-110257           19881118
     CN 1074422          B      20011107
     JP 05081600         B4     19931115    JP 1989-500565           19881118
     JP 09184844         A2     19970715    JP 1996-239921           19881118
     JP 10108674         A2     19980428    JP 1997-99651            19881118
     JP 10290696         A2     19981104    JP 1998-111631           19881118
     JP 10290697         A2     19981104    JP 1998-111632           19881118
     JP 2000023683       A2     20000125    JP 1999-157193           19881118
     RU 2162894          C2     20010210    RU 1988-4742221          19881118
     FI 8903447          A      19890717    FI 1989-3447             19890717
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     NO 8902931          A      19890913    NO 1989-2931             19890717
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             PL, RO, SD, SU
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	AU 639560	B2	19930729		
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	HU 62706	A2	19930528	HU 1992-3146	19910329
	HU 217025	B	19991129		
	JP 05508219	T2	19931118	JP 1991-507636	19910329
	JP 2733138	B2	19980330		
	RO 109916	B1	19950728	RO 1975-92012	19910329
	PL 172133	B1	19970829	PL 1991-296329	19910329
	RU 2130969	C1	19990527	RU 1991-5053084	19910329
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	EP 450931	B1	19960612		
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	EP 693687	B1	19990728		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
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	ES 2088465	T3	19960816	ES 1991-302910	19910403
	AT 182684	E	19990815	AT 1995-114016	19910403
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	FI 106317	B1	20010115	FI 1992-4349	19920928
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	LV 10306	B	19950620	LV 1993-442	19930531
	LV 10344	B	19960220	LV 1993-4381	19930531
	US 5679342	A	19971021	US 1993-97853	19930727
	US 5350671	A	19940927	US 1993-103961	19930809
	LT 3808	B	19960325	LT 1993-1747	19931230
	HR 940493	B1	20001031	HR 1994-940493	19940907
	US 5698390	A	19971216	US 1994-306472	19940915
	US 6074816	A	20000613	US 1994-307273	19940916
	US 5712087	A	19980127	US 1995-440519	19950512
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	US 5712088	A	19980127	US 1995-440769	19950515
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	FI 106564	B1	20010228		
	GR 3031361	T3	20000131	GR 1999-402455	19990929
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	US 1987-139886	A	19871230		
	US 1988-161072	A	19880226		
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	US 1988-263584	A	19881026		
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	CN 1988-107988	A	19881118		
	JP 1992-361785	A3	19881118		

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     JP 1992-361787       A3     19881118
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     JP 1996-241451       A3     19881118
     JP 1998-111631       A3     19881118
     WO 1988-US4125       A      19881118
     YU 1988-2138         A6     19881118
     US 1989-325338       B2     19890317
     US 1989-341334       B2     19890420
     US 1989-353896       B2     19890421
     US 1989-355002       B2     19890518
     US 1989-355961       B2     19890518
     NO 1989-2931         A      19890717
     DK 1989-3537         A      19890718
     US 1989-398667       B2     19890825
     US 1989-456637       B2     19891221
     US 1990-504352       A      19900404
     US 1990-505435       B2     19900404
     US 1990-566209       B1     19900808
     US 1990-611965       B2     19901108
     WO 1991-US2225       A      19910329
     EP 1991-302910       A3     19910403
     US 1992-910760       A3     19920707
     US 1993-40564        A3     19930331
     US 1993-103961       A1     19930809
     US 1994-306472       A3     19940915
     US 1994-307273       A3     19940916
AB   The title kit contains a (recombinant) polypeptide contg. an HCV epitope,
     a pH buffer, a detection label, assay instructions, and packaging.  Also
     provided are polynucleotide probes for detection of HCV nucleic acids, a
     monoclonal antibody to an HCV epitope for detection of HCV antigens by
     immunoassay, and vaccines comprising immunogenic peptides contg. an HCV
     epitope for treatment of HCV infections.  The sequence of HCV cDNA
     suggests that HCV is or resembles a flavivirus.  Thus, HCV was isolated
     from plasma of a chimpanzee with chronic non-A, non-B hepatitis and used
     to generate a λ-gt11 cDNA library which was screened for prodn. of
     epitopes which bound to serum from patients with non-A, non-B hepatitis.
     The cDNAs of several clones were sequenced and used to derive a composite
     sequence; the corresponding polypeptides were expressed in Escherichia
     coli as fusion products with superoxide dismutase.
IT 155182-87-9, DNA (hepatitis C virus clone 1-2 cDNA)
     RL: PRP (Properties)
        (nucleotide sequence of)
RN   155182-87-9  CAPLUS
CN   DNA (hepatitis C virus clone 1-2 164-nucleotide fragment) (9CI)  (CA INDEX
     NAME)


SEQ      1 ggtcatagtg ggcagggtcg tcttgtccgg gaagccggca atcatacctg
        51 acagggaagt cctctatcga gagttcgatg agatggaaga gtgctctcag
       101 cacttaccgt acatcgagca agggatgatg ctcgccgagc agttcaagca
       151 gaaggccctc ggcc




=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      10.16     424.06

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
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                                                      ENTRY    SESSION
CA SUBSCRIBER PRICE                                   -0.75     -15.00

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DICTIONARY FILE UPDATES:   4 JAN 2006  HIGHEST RN 871209-00-6

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  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

*********************************************************************
*                                                                   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                   *
*********************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s ggaagagtgctc/sqsn
L29         3673 GGAAGAGTGCTC/SQSN

=> s l29 and SQL<375
      21530848 SQL<375
L30          185 L29 AND SQL<375

=> file caplus; s l30 and PY<1990
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                34.09     458.15

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
                                                   ENTRY    SESSION
CA SUBSCRIBER PRICE                                 0.00     -15.00

FILE 'CAPLUS' ENTERED AT 12:04:21 ON 06 JAN 2006
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FILE LAST UPDATED: 4 Jan 2006 (20060104/ED)

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http://www.cas.org/infopolicy.html

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            73 L30
      13074835 PY<1990
L31          1 L30 AND PY<1990

=> d bib ab hitseq
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L31 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
Full Text
AN 1994:296653 CAPLUS
DN 120:296653
TI A method for preparing a kit for the detection of antibodies to HCV (hepatitis C virus) in biological samples such as blood serum
IN Houghton, Michael; Choo, Qui Lim; Kuo, George
PA Chiron Corp., India
SO Indian, 157 pp.
CODEN: INXXAP
DT Patent
LA English
FAN.CNT 8

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	IN 171237	A	19920822	IN 1990-CA801	19900917
	AU 8927967	**A1**	**19890614**	**AU 1989-27967**	**19881118**
	AU 624105	B2	19920604		
	ZA 8808669	**A**	**19890830**	**ZA 1988-8669**	**19881118**
	BR 8807310	A	19900313	BR 1988-7310	19881118
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LT 3808		B	19960325	LT 1993-1747	19931230
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	US 1992-910760	A3	19920707		
	US 1993-40564	A3	19930331		
	US 1993-103961	A1	19930809		
	US 1994-306472	A3	19940915		
	US 1994-307273	A3	19940916		

AB The title kit contains a (recombinant) polypeptide contg. an HCV epitope, a pH buffer, a detection label, assay instructions, and packaging. Also provided are polynucleotide probes for detection of HCV nucleic acids, a monoclonal antibody to an HCV epitope for detection of HCV antigens by immunoassay, and vaccines comprising immunogenic peptides contg. an HCV epitope for treatment of HCV infections. The sequence of HCV cDNA suggests that HCV is or resembles a flavivirus. Thus, HCV was isolated from plasma of a chimpanzee with chronic non-A, non-B hepatitis and used to generate a λ-gt11 cDNA library which was screened for prodn. of epitopes which bound to serum from patients with non-A, non-B hepatitis. The cDNAs of several clones were sequenced and used to derive a composite sequence; the corresponding polypeptides were expressed in Escherichia coli as fusion products with superoxide dismutase.

IT **155182-84-6**, DNA (hepatitis C virus clone 5-1-1 cDNA)
155182-87-9, DNA (hepatitis C virus clone 1-2 cDNA)
RL: PRP (Properties)
(nucleotide sequence of)

RN 155182-84-6 CAPLUS

CN DNA (hepatitis C virus clone 5-1-1 polyprotein fragment-specifying) (9CI) (CA INDEX NAME)

SEQ
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      1 ggcctcctgc ttgaactgct cggcgagcat catacctgac agggaagtcc
     51 tctaccgaga gttcgatgag atggaagagt gctctcagca cttaccgtac
    101 atcgagcaag ggatgatgct cgccgagcag ttcaagcaga aggccctcgg
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       151 cctcc


RN   155182-87-9  CAPLUS
CN   DNA (hepatitis C virus clone 1-2 164-nucleotide fragment) (9CI)  (CA INDEX
     NAME)


SEQ      1 ggtcatagtg ggcagggtcg tcttgtccgg gaagccggca atcatacctg
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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
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FULL ESTIMATED COST                                      10.16     468.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                                      -0.75     -15.75

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STRUCTURE FILE UPDATES:    4 JAN 2006  HIGHEST RN 871209-00-6
DICTIONARY FILE UPDATES:   4 JAN 2006  HIGHEST RN 871209-00-6

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*********************************************************************
*                                                                   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                   *
*********************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:
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http://www.cas.org/ONLINE/UG/regprops.html

=> s caagcagaaggc/sqsn
L32      11281 CAAGCAGAAGGC/SQSN

=> s l32 and SQL<375
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L33         511 L32 AND SQL<375

=> file caplus; s l33 and PY<1990
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CA SUBSCRIBER PRICE                                     0.00     -15.75

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FILE COVERS 1907 - 6 Jan 2006  VOL 144 ISS 2
FILE LAST UPDATED: 4 Jan 2006  (20060104/ED)

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They are available for your review at:

http://www.cas.org/infopolicy.html


          190 L33
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L34          1 L33 AND PY<1990

=> d bib ab hitseq

L34  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2006 ACS on STN
Full Text
AN   1994:296653  CAPLUS
DN   120:296653
TI   A method for preparing a kit for the detection of antibodies to HCV
     (hepatitis C virus) in biological samples such as blood serum
IN   Houghton, Michael; Choo, Qui Lim; Kuo, George
PA   Chiron Corp., India
SO   Indian, 157 pp.
     CODEN: INXXAP
DT   Patent
LA   English
FAN.CNT 8
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	DK 8903537	**A**	**19890718**	**DK 1989-3537**	**19890718**
	DK 175975	B1	20051010		
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	IN 171239	A	19920822	IN 1990-CA805	19900917
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	HU 217025	B	19991129		
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	JP 2733138	B2	19980330		
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	RU 2130969	C1	19990527	RU 1991-5053084	19910329
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	AT 182684	E	19990815	AT 1995-114016	19910403
	ES 2134388	T3	19991001	ES 1995-114016	19910403
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	US 5679342	A	19971021	US 1993-97853	19930727
	US 5350671	A	19940927	US 1993-103961	19930809
	LT 3808	B	19960325	LT 1993-1747	19931230
	HR 940493	B1	20001031	HR 1994-940493	19940907
	US 5698390	A	19971216	US 1994-306472	19940915
	US 6074816	A	20000613	US 1994-307273	19940916
	US 5712087	A	19980127	US 1995-440519	19950512
	US 6312889	B1	20011106	US 1995-440549	19950512
	US 5712088	A	19980127	US 1995-440769	19950515
	US 6096541	A	20000801	US 1995-441026	19950515
	US 6171782	B1	20010109	US 1995-442647	19950515
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	US 1987-139886	A	19871230		
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	US 1993-103961	A1	19930809		
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	US 1994-307273	A3	19940916		

AB The title kit contains a (recombinant) polypeptide contg. an HCV epitope,

a pH buffer, a detection label, assay instructions, and packaging. Also provided are polynucleotide probes for detection of HCV nucleic acids, a monoclonal antibody to an HCV epitope for detection of HCV antigens by immunoassay, and vaccines comprising immunogenic peptides contg. an HCV epitope for treatment of HCV infections. The sequence of HCV cDNA suggests that HCV is or resembles a flavivirus. Thus, HCV was isolated from plasma of a chimpanzee with chronic non-A, non-B hepatitis and used to generate a λ-gt11 cDNA library which was screened for prodn. of epitopes which bound to serum from patients with non-A, non-B hepatitis. The cDNAs of several clones were sequenced and used to derive a composite sequence; the corresponding polypeptides were expressed in Escherichia coli as fusion products with superoxide dismutase.

IT **155182-84-6**, DNA (hepatitis C virus clone 5-1-1 cDNA)
155182-87-9, DNA (hepatitis C virus clone 1-2 cDNA)
RL: PRP (Properties)
(nucleotide sequence of)

RN 155182-84-6 CAPLUS
CN DNA (hepatitis C virus clone 5-1-1 polyprotein fragment-specifying) (9CI) (CA INDEX NAME)

SEQ
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  1 ggcctcctgc ttgaactgct cggcgagcat catacctgac agggaagtcc
 51 tctaccgaga gttcgatgag atggaagagt gctctcagca cttaccgtac
101 atcgagcaag ggatgatgct cgccgagcag ttcaagcaga aggccctcgg
151 cctcc
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RN 155182-87-9 CAPLUS
CN DNA (hepatitis C virus clone 1-2 164-nucleotide fragment) (9CI) (CA INDEX NAME)

SEQ
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 51 acagggaagt cctctatcga gagttcgatg agatggaaga gtgctctcag
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151 gaaggccctc ggcc
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CA SUBSCRIBER PRICE                                -0.75     -16.50

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STRUCTURE FILE UPDATES:    4 JAN 2006  HIGHEST RN 871209-00-6
DICTIONARY FILE UPDATES:   4 JAN 2006  HIGHEST RN 871209-00-6
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**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,    *
* effective March 20, 2005.  A new display format, IDERL, is now     *
* available and contains the CA role and document type information. *
*                                                                    *
**********************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
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=> s tgctgtccagac/sqsn
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L36        253 L35 AND SQL<375

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                                 0.00     -16.50

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FILE COVERS 1907 - 6 Jan 2006  VOL 144 ISS 2
FILE LAST UPDATED: 4 Jan 2006  (20060104/ED)
```

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Effective October 17, 2005, revised CAS Information Use Policies apply.
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http://www.cas.org/infopolicy.html


            96 L36
      13074835 PY<1990
L37          0 L36 AND PY<1990

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     2.41     549.50

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00     -16.50

FILE 'REGISTRY' ENTERED AT 12:08:38 ON 06 JAN 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    4 JAN 2006  HIGHEST RN 871209-00-6
DICTIONARY FILE UPDATES:   4 JAN 2006  HIGHEST RN 871209-00-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

*************************************************************************
*                                                                       *
* The CA roles and document type information have been removed from     *
* the IDE default display format and the ED field has been added,       *
* effective March 20, 2005.  A new display format, IDERL, is now        *
* available and contains the CA role and document type information.     *
*                                                                       *
*************************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s catcagtgggat/sqsn
L38         4244 CATCAGTGGGAT/SQSN

=> s l38 and SQL<375
      21530848 SQL<375
L39         202 L38 AND SQL<375
```

```
=> file caplus; s l39 and PY<1990
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                        34.09     583.59

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                         0.00     -16.50

FILE 'CAPLUS' ENTERED AT 12:09:46 ON 06 JAN 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 6 Jan 2006  VOL 144 ISS 2
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            99 L39
      13074835 PY<1990
L40          0 L39 AND PY<1990

=> d his

     (FILE 'HOME' ENTERED AT 11:45:46 ON 06 JAN 2006)

     FILE 'REGISTRY' ENTERED AT 11:45:55 ON 06 JAN 2006
L1             0 S GAACTGCTCGGC/SQEN
L2          2596 S GAACTGCTCGGC/SQSN
L3           102 S L2 AND SQL<375

     FILE 'CAPLUS' ENTERED AT 11:48:25 ON 06 JAN 2006
L4             8 S L2 AND PY<1990

     FILE 'REGISTRY' ENTERED AT 11:51:20 ON 06 JAN 2006
L5             0 S CACTTACCGTAC/SQEN
L6           780 S CACTTACCGTAC/SQSN
L7            34 S L6 AND SQL<375

     FILE 'CAPLUS' ENTERED AT 11:52:43 ON 06 JAN 2006
L8             1 S L7 AND PY<1990

     FILE 'REGISTRY' ENTERED AT 11:53:28 ON 06 JAN 2006
L9             0 S AAGCAGAAGGCC/SQEN
L10        11437 S AAGCAGAAGGCC/SQSN
```

```
L11          574 S L10 AND SQL<375

     FILE 'CAPLUS' ENTERED AT 11:54:43 ON 06 JAN 2006
L12            1 S L11 AND PY<1990

     FILE 'REGISTRY' ENTERED AT 11:55:07 ON 06 JAN 2006
L13            0 S ATGGAAGAGTGC/SQEN
L14         4717 S ATGGAAGAGTGC/SQSN
L15          213 S L14 AND SQL<375

     FILE 'CAPLUS' ENTERED AT 11:56:42 ON 06 JAN 2006
L16            1 S L15 AND PY<1990

     FILE 'REGISTRY' ENTERED AT 11:57:08 ON 06 JAN 2006
L17            0 S GAACTTCATCAG/SQEN
L18         5419 S GAACTTCATCAG/SQSN
L19          278 S L18 AND SQL<375

     FILE 'CAPLUS' ENTERED AT 11:58:34 ON 06 JAN 2006
L20            0 S L19 AND PY<1990

     FILE 'REGISTRY' ENTERED AT 11:59:13 ON 06 JAN 2006
L21            0 S AACCCCGCCATT/SQEN
L22         1203 S AACCCCGCCATT/SQSN
L23           45 S L22 AND SQL<375

     FILE 'CAPLUS' ENTERED AT 12:00:18 ON 06 JAN 2006
L24            0 S L23 AND PY<1990

     FILE 'REGISTRY' ENTERED AT 12:01:52 ON 06 JAN 2006
L25            0 S GTCCGGGAAGCC/SQEN
L26         3071 S GTCCGGGAAGCC/SQSN
L27          249 S L26 AND SQL<375

     FILE 'CAPLUS' ENTERED AT 12:03:04 ON 06 JAN 2006
L28            1 S L27 AND PY<1990

     FILE 'REGISTRY' ENTERED AT 12:03:23 ON 06 JAN 2006
L29         3673 S GGAAGAGTGCTC/SQSN
L30          185 S L29 AND SQL<375

     FILE 'CAPLUS' ENTERED AT 12:04:21 ON 06 JAN 2006
L31            1 S L30 AND PY<1990

     FILE 'REGISTRY' ENTERED AT 12:04:44 ON 06 JAN 2006
L32        11281 S CAAGCAGAAGGC/SQSN
L33          511 S L32 AND SQL<375

     FILE 'CAPLUS' ENTERED AT 12:05:50 ON 06 JAN 2006
L34            1 S L33 AND PY<1990

     FILE 'REGISTRY' ENTERED AT 12:06:14 ON 06 JAN 2006
L35         4307 S TGCTGTCCAGAC/SQSN
L36          253 S L35 AND SQL<375

     FILE 'CAPLUS' ENTERED AT 12:07:54 ON 06 JAN 2006
L37            0 S L36 AND PY<1990

     FILE 'REGISTRY' ENTERED AT 12:08:38 ON 06 JAN 2006
L38         4244 S CATCAGTGGGAT/SQSN
L39          202 S L38 AND SQL<375
```

```
     FILE 'CAPLUS' ENTERED AT 12:09:46 ON 06 JAN 2006
L40            0 S L39 AND PY<1990

=> log y
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     2.41     586.00

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00     -16.50

STN INTERNATIONAL LOGOFF AT 12:10:06 ON 06 JAN 2006
```